





SOLUTIONS THAT STICK™

For over 60 years Mactac has been providing pressure-sensitive adhesive solutions for the industrial, medical, label and graphics markets. Our innovative product design and industry leading formulation expertise have positioned Mactac as a trusted brand for decades.

Mactac's parent company, LINTEC, is a leading global manufacturer of engineered adhesive materials. LINTEC materials are used in window films, interior-finish mounting, automotive security labeling and semi-conductors.

With LINTEC's guidance, Mactac's US operations have expanded to include several new facilities.

Introducing



Sustainability - Processes & People

With guidance under the LINTEC Group, we aim for opportunities to evaluate and expand Mactac's sustainability program to further reduce our footprint, inspire employees and showcase the value we provide to customers in their quest to meet the environmental needs of end-users.

Currently, Mactac is on a CO2 reduction journey across all sites.

- Goal 30% reduction in CO2 emissions by 2030
- Protecting the natural environment through CO2 reduction isn't the whole story when we look at sustainability, we need to look at both environmental and social activities.

Recent Milestones

Mactac is the first pressure-sensitive adhesive company to have products listed on the USDA's bio-preferred website.



Mactac is a leader in solvent-free coating technologies, opting to bring lower energy and lower environmental impact solutions to the North Amercian market.

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In order to select the best tape for your application it is critical to define these key performance requirements:

1. SUBSTRATE

Surface Texture

The texture of a surface can impact adhesive performance. Rough or textured surfaces can create adhesion challenges. Heavier coat wights tend to perform better on textured surfaces, and softer adhesives have better flow characteristics.

Surface Energy

The surface energy of a substrate will affect the adhesive's ability to wet out. Surface energy is measured in dynes/cm and the dyne level is the actual reading of the critical surface tension. The chart below compares the relative surface energy of common substrates.

Substrate Surface Energy Dynes/cm



Surface Contamination

Adhesive performance is dependent on surface contact, in order to maximize adhesive contact be sure that the substrate is dry and free of contaminants. Moisture, grease, silicone and oils can negatively impact adhesive performance.

2. ENVIRONMENTAL EXPOSURE



Application Temperature

The temperature of the substrate and the adhesive when applied. General minimum application temperature is 50°F.

Service Temperature

Temperature that the adhesive will be exposed to during the life of the finished product.



UV Exposure

Direct sunlight or UV rays can cause adhesives to age, become brittle or discolor.



Exposure to Chemicals

Solvents, chemicals and fuels can impact adhesive performance.

3. REQUIRED ADHESION LEVEL

The three common test methods to determine adhesive performance characteristics.

Peel Adhesion

Measures the force required to remove a PSA tape from a substrate at a controlled angle. The strength of the bond is determined by material's surface energy and the chemical composition of the adhesive.



- Peel Angle either 90 or 180 degrees
- Substrate Stainless Steel
- Peel Rate 12 inches/min
- Test Environment 72F/50% RH
- Sample Dimensions 1.0" wide

Quick Tack

Refers to the properties that allow a PSA to adhere to a surface under very light pressure. Determined by the ability of the adhesive to quickly wet out on the surface contacted.



• Substrate - Stainless Steel

Shear Adhesion/Cohesion

Refers to the internal strength of the adhesive and its ability to resist splitting when external shear forces are applied in the same plane as the face or the carrier. Results are reported in time required to cause failure.

- Substrate Stainless Steel
- Test environment Temperature and humidity
- Shear direction Vertical/horizontal



Category		Description			
	High Surface Energy	>100 dynes: SS, Al, Glass, Ceramics			
	Medium Surface Energy	38-70 dynes; Acrylic, PVC, ABS, PET			
Adhesion	Low Surface Energy	18-37 dynes: HDPE, LDPE, PP, EVA			
	Textiles	Shoddy, Felts, Wovens, Non-wovens			
	Rough Surfaces	Embossed, Pitted, Open cells, Concrete			
	Holding Power/Shear Strength	Flow and creep resistance, Hold Loads			
	Low	Temperatures up to 180° F sustained			
Temperature Resistance	Medium	Temperatures up to 240° F sustained			
Resistance	High	Temperatures up to 325° F sustained			
	Polar Solvents	MEK, Alcohols, Acetone, ETAC			
Chemical	Non Polar Solvents	Toluene, Heptane, Hexane, Gasoline			
Resistance	Aqueous Solutions	Detergents, Cleaners, Soaps			
	Low Molecular Weight	Plasticizers, Hydraulic fluids, Brake fluid			
Environmental	Moisture	Humidity, Submersion, Spray			
Resistance	UV Exposure	Direct sunlight			

Ad	hesives - Compor	nent that provides adhesion to the substrate.
	XT Rubber	High performance rubber adhesive with an excellent combination of peel, tack and shear properties.
	FBR899 Rubber	Most versatile rubber adhesive with exceptional quick tack and good peel & shear strength. #1 choice for foam bonding applications and textured materials.
Rubber	GS Series	The Rubber Rivet Tape - unique rubber adhesive designed to be coated from 5 to 50 mils thick. Provides superior peel, tack and shear performance.
	Ultra 555	High Shear Adhesive, resists creep, exhibits superior holding power and offers excellent performance on low surface energy materials.
	Arctic	Cold Temperature Adhesive, aggressive rubber based formula designed to bond to cold, wet surfaces at temperatures as low as -10°F (-23°C).
	HTA410	High-tack acrylic adhesive, with moderate shear that provides strong bond to a variety of substrates including many foams, fabrics and plastics.
	HSA440	Highly cross-linked acrylic adhesive, moderate peel and tack with excellent cohesive strength. Great for bonding to smooth surfaces where adhesive appearance and processing is important.
	HBA724	High performance acrylic adhesive with high tack and shear strength. Excellent temperature resistance.
	GP310	Good temperature resistance, good plasticizer resistance, high UV resistance
Acrylic	MP481	Solvent acrylic adhesive with moderate peel and tack, good shear strength
Acr	LS55	Modified solvent acrylic adhesive with excellent low surface energy performance.
	LV820	Low VOC, Acid Free acrylic adhesive that provides high-tack and peel, design for use in applications that require aggressive performance combined with no out-gassing or fogging
	LV840	Low VOC, Acid Free acrylic adhesive that provides moderate tack and peel combined with high-shear strength
	LSE427	Outstanding performance on challenging low surface energy substrates. Bonds well to plastics, foams and rubber surfaces.
	MR280	Low tack acrylic adhesive, designed for applications that require clean removability.

		,	Acrylic A	dhesive	S				Rubber <i>i</i>	Adhesives	
HTA-410	LSE-427	HSA-440	MP-481	LS55	LV-820	HBA724	LV-840	MP-555	XT-593	Arctic MX10	FBR-899
+++	+++	++	++	+++	+++	+++	++	+++	++++	+++	+++
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+	++	-	+	++	+	++	-	+++	++++	+++	++++
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+++	+++	++++	++++	+++	+++	++++	++++	++++	++++	+++	++++
++++	+++	++++	+++	++	++++	+++	++++	+	-	-	-

Carriers - Component on which the adhesive is coated.

Polyester High tensile strength film, provides excellent chemical barrier to most migratory chemicals.

Foam Used for gap filling between two surfaces, general bonding and mounting. Highly conformable.

Polypropylene Film Opaque white polypropylene is an excellent choice for graphic mounting.

Liners - Critical for production, processing and die cutting of the PSA.

Densified Kraft

60# SCK Economical, can be kiss cut or die cut. High tensile strength for good web processing

80# SCK Used when additional thickness is needed for a particular die cutting process. Easier to handle.

Polycoated Kraft

72# PCK Feature high tensile strength, humidity resistance and is excellent for rotary die cutting.

81# Natural PCK Natural brown liner, excellent moisture stability, thicker for kiss-cutting and steel rule die cutting.

Polycoated Board

12pt Kraft Board Features higher thickness and stiffness, better for steel rule die set up and can be easily handled by the end

user.

Film

Polyester (PET) High tensile strength, humidity resistant and able to be rotary die cut and kiss cut.

Release Coating - Applied to the liner, allows the PSA to separate from the liner without contaminating the adhesive.



FBR899 - Rubber Tapes



Our most versatile rubber adhesive with exceptional tack and good peel & shear strength. Excellent choice for foam bonding applications, low surface energy substrates, textiles, textured surfaces and corrugated materials.

Physical Properties	Typical Values				
Application Temperature	50°F				
Service Temperature	0°F to 160°F (-18°C to71°C)				
Humidity & Moisture Resistance	++++				
Peel & Tack	++++				
Shear Strength/Creep Resistance	++				
Chemical Resistance	-				
Foam Bonding	PEU, XLPE, EPE, LDPE				
UHMW	++++				

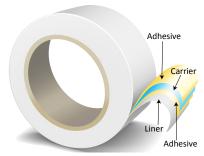
Download our full foam bonding guide at www.mactac.com/TResources







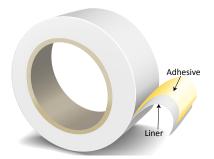
FBR899 - Rubber Tapes



Double-Coated Tapes

			Const	ruction				Maste	r Roll	MSI	0						
									Coat W	eight Mils	Caliper Mils		End Use	£	th		Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Width	Length	Weight	Stoc						
<u>IB1120-60W60</u>	.5mil PET	FBR899	1.2	1.2	2.9	60# White SCK	Medium	60"	750'	0.35	S						
<u>IB1122-60</u> *	.5 mil PET	FBR899	2.0	2.0	4.5	60# White SCK	Tight	60"	750'	0.37	S						
IB1122-60ER	.5 mil PET	FBR899	2.0	2.0	4.5	60# White SCK	Medium/ Easy	60"	750'	0.37	S						
IB1122-80W60	.5mil PET	FBR899	2.0	2.0	4.5	80# White SCK	Medium	60"	750'	0.38	S						
<u>IB1122-12PT</u>	.5mil PET	FBR899	2.0	2.0	4.5	12pt Board	Medium	54"	750'	0.47	М						

^{*} Available in 60" x 750' pre-slit rolls for same day/next day shipment.



Transfer Adhesives

		Maste	er Roll	MSI	0					
			C+\M/-:	Caliper Mils		End Use	th	ıgth	± ±	k/M]
Part Number	Carrier	Adhesive	Coat Weight Mils	Liner & Adhesive	Liner	Release	Wid	Leng	Weig	Stock/
<u>IF1023-80</u>	NA	FBR899	2.6	8.3	80# SCK	Medium	60"	540'	0.33	S





XT - Rubber Tapes



High performance rubber adhesive with an excellent combination of peel, tack and shear properties. Bonds well to low surface energy materials, firm foam & rubber materials and flexible magnets.

Physical Properties	Typical Values				
Application Temperature	50°F				
Service Temperature	0°F to 180°F (-18C to 82°C)				
Humidity & Moisture Resistance	++++				
Peel & Tack	++++				
Shear Strength/Creep Resistance	++++				
Chemical Resistance	-				
Foam Bonding	EPDM, Neoprene, Nitrile-PVC, XLPE				
UHMW	++++				



Mactac is the first BioPreferred pressure-sensitive adhesive manufacturer recognized by the USDA.

Learn more at www.mactac.com/tape-sustainability





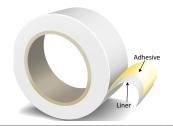
XT - Rubber Tapes



Double-Coated Tapes

			Constru	ıction				Master I	10		
				Veight ils	Caliper Mils		End Use	돢	Length	Weight / MSI	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Width	Len	Weig	Sto
<u>IB1111XT</u>	.5mil PET	XT Rubber	2.0	2.0	4.5	60# White SCK	Medium	54"	750'	0.37	S
IB1175XT/W60	.5mil PET	XT Rubber	2.0	2.0	4.5	80# White SCK	EZ Release	54" or 60"	750'	0.38	S
<u>IB1175XTL12</u>	.5mil PET	XT Rubber	2.0	2.0	4.5	12pt Board	Medium	54"	750'	0.47	S
<u>IB1178XT</u> *	.5mil PET	XT Rubber	1.2	1.2	2.9	60# White SCK	Medium	54"	750'	0.35	S
IB1178XTPK	.5mil PET	XT Rubber	1.2	1.2	2.9	72# White PCK	Medium	54"	750'	0.36	S
<u>IB1182XT</u> *	.5mil PET	XT Rubber	1.2	1.2	2.9	60# White SCK	Medium	54"	750'	0.35	S
IB1183XT/W60	.5mil PET	XT Rubber	2.0	2.0	4.5	80# White SCK	Medium	54" or 60"	750'	0.38	S
IB1184XTW60	.5mil PET	XT Rubber	2.6	2.6	5.7	80# White SCK	Medium	60"	750'	0.41	S
<u>IB1185XTL12</u>	.5mil PET	XT Rubber	2.0	2.0	4.5	12pt Board	Medium	54"	750'	0.47	S
<u>IB1188XT</u>	.5mil PET	XT Rubber	2.0	2.0	4.5	80# White SCK	Medium	54"	750'	0.38	S
<u>IB1190XT/W60</u> *	.5mil PET	XT Rubber	2.0	2.0	4.5	60# White SCK	Medium	54" or 60"	750'	0.37	S
<u>IB1190XTP2</u>	.5mil PET	XT Rubber	2.0	2.0	4.5	2.0 mil PET	Medium	60"	750'	0.38	S
IB1200XTW60	.5mil PET	XT Rubber	2.6	2.6	5.7	80# White SCK	Medium	60"	750'	0.41	S
<u>IB1444XT</u>	2.6 mil White PP	XT Rubber	1.2	1.2	5.0	72# PCK	Medium	54	750'	0.39	S

^{*}Available in full web x 750' pre-slit rolls for same day or next day shipment.



Transfer Adhesives

			Master	MSI	2					
			Coat	Caliper Mils		End Use	dth	gth		
Part Number	Carrier	Adhesive	Weight Mils	Adhesive Liner & Liner		Release	Wid	Wid		Stock/
<u>IF1011-78</u>	NA	XT Rubber	1.8	6.5	78# SCK	Medium	60"	540'	0.31	S
<u>IF1013-78</u>	NA	XT Rubber	2.6	8.3	78# SCK	Medium	60"	540'	0.33	S

See index for automotive and regulatory specifications.

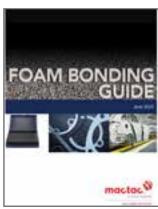


FBT Differential Rubber Tapes



Differential tape series that blends the foam bonding performance of FBR899 (unwind side) with the high performance of XT (liner side) for bonding to smooth surfaces and low surface energy materials.

Physical Properties	Typical Values				
Application Temperature	50°F				
Service Temperature	0°F to 160°F (-18°C to 71°C)				
Humidity & Moisture Resistance	++++				
Peel & Tack	++++				
Shear Strength/Creep Resistance	+++				
Chemical Resistance	-				
Foam Bonding	PU, XLPE, EPE, LDPE				
UHMW	++++				

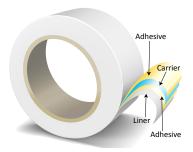


Download our full foam bonding guide at www.mactac.com/TResources





FBT Differential Rubber Tapes



Double-Coated Tapes

			Maste	er Roll	MSI	0						
		Adhesive		Coat Weight Mils		Caliper Mils		End Use	Width	Length	Weight / M	Stock/MTO
Part Number	Carrier	Liner	Unwind	Liner	Unwind	Carrier & Adhesive	Liner	Release	Wie	Len	Weig	Sto
FBT360W60	.5mil PET	XT Rubber	FBR899	1.2	1.8	3.5	60# White SCK	Medium	60"	750'	0.33	S
FBT360W54	.5mil PET	XT Rubber	FBR899	1.2	1.8	3.5	60# White SCK	Medium	54"	750'	0.33	S
FBT380W60	.5mil PET	XT Rubber	FBR899	1.2	1.8	3.5	80# White SCK	Medium	60"	750'	0.34	S
FBT380W54	.5mil PET	XT Rubber	FBR899	1.2	1.8	3.5	80# White SCK	Medium	54"	750'	0.34	S

See page 42 for automotive and regulatory specifications.



Cold Temperature Tapes



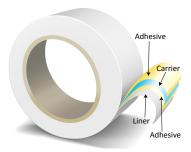
Aggressive Rubber-Based Adhesive with a minimum application temperature of -10F/-23C. Designed to perform on damp, cold surfaces.

Physical Properties	Typical Values				
Application Temperature	-10°F (-23°C)				
Service Temperature	-65F to 150F (-54C to 65.5C)				
Humidity & Moisture Resistance	++++				
Peel & Tack	+++				
Shear Strength/Creep Resistance	++				
Chemical Resistance	-				
Foam Bonding	EPDM, Nitrile-PVC, ECH, PU, XLPE				
UHMW	++++				



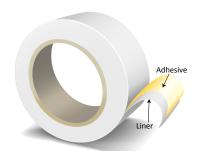


Cold Temperature Tapes



Double-Coated Tapes

			Construc	tion				Master	Roll	15	
Dort Namel on			Coat Weight Mils		Caliper Mils		End Use	lth	gth	jht / MSI	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Width	Length	Length	Stoc
<u>ARTX1161</u>	.5mil PET	Arctic MX10	1.5	1.5	3.5	72# White PCK	Medium	60"	750'	0.33	S
ARTX1162	.5mil PET	Arctic MX10	2.0	2.0	4.5	72# White PCK	Medium	60"	750'	0.35	S



Transfer Adhesives

			Construction				Master	ISI		
Part Number	Comican	A alla a stres	Coat Weight	Caliper Mils	l in an	End Use	ïdth	gth	ht / IV	ck/MTO
Part Number	Carrier	Adhesive	Mils	Liner & Adhesive	Liner	Release	Wi	Len	⊆ .Ξ.	Stock/l
ARTX1062	NA	Arctic MX10	2.0	6.4	80# White SCK	Medium	60"	540'	0.33	М



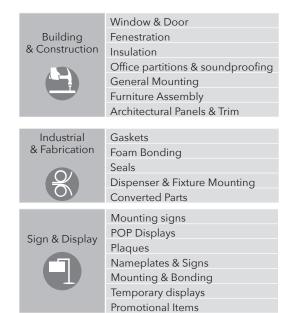


Ultra 555 - High Shear Tapes



Unique rubber based adhesive with exceptional cohesive strength. Ultra555 resists creep, exhibits superior holding power and offers excellent performance on low surface energy materials.

Physical Properties	Typical Values
Application Temperature	50°F
Service Temperature	0°F to 190°F (-18°C to 88°C)
Humidity & Moisture Resistance	++++
Peel & Tack	++++
Shear Strength/Creep Resistance	++++
Chemical Resistance	-



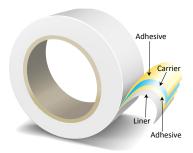


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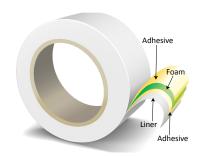
Ultra 555 - High Shear Tapes



Double Coated Film

		Cons	truction					Master Roll		19	
				Veight ils	Caliper Mils		End Use	łth	ength.	eight / MS	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Width	Lenç	Weig	Stoc
Double Coat	Double Coated Tapes										
IB8161-78	0.5 mil PET	Ultra 555	1.8	1.8	4.1	78# SCK	Medium	60"	750′	0.39	S

Ultra 555 - High Shear Mounting



Double Coated Foam

	Construction										
				Veight lils	Caliper Mils		End Use	яth	gth	_	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Width	Lenç	0.39 0.39	Stoc
IM1763-78	1/32 White PE Foam	Ultra 555	2.6	2.6	35.25	78# SCK	Medium	60″	216′	0.39	S
IM1863-78	1/16 White PE Foam	Ultra555	2.6	2.6	66.50	78# SCK	Medium	60″	108′	0.39	S



Foam Tapes



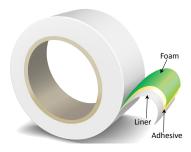
Specialty foam tapes for a wide variety of applications. Single sided tapes for packaging, seals, and protective padding. Specialty double sides tapes for applications that require removability on side like tradeshow exhibits, carpet padding and promotional displays.

Physical Properties	SC Foam	Permanent DS	Permanent/ Removable
Application Temperature	50°F	50F	50F
Service Temperature	0°F to 180°F (-18°C to 82°C)	0°F to 180°F (-18°C to 82°C)	0°F to 180°F (-18°C to 82°C)
Humidity & Moisture Resistance	++++	++++	++++
Peel & Tack	++++	++++	Perm ++++/ Remove - or +
Shear Strength/Creep Resistance	++	++	+++
Chemical Resistance	++++	++++	++++



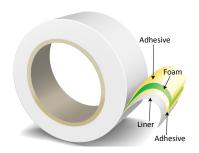


Foam Tapes



Single Coated Foam

WHITE FOAM			Construction			Maste	er Roll	15	
Dort Neverbor			Coat Weight Mils	Caliper Mils		£	gth	jht / MSI	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Carrier & Adhesive	Liner	Width	Length	Weight	Stoc
<u>SF4732-96</u>	1/32"	410 Acrylic	2.0	33.25	96# PCK	60"	216′	0.43	S
SF4832-96	1/16"	410 Acrylic	2.0	64.50	96# PCK	60"	108′	0.47	S
SF4832-60	1/16"	410 Acrylic	2.0	64.50	60# SCK	60"	216′	0.47	S



Specialty Double Sided Foam

SPECIALTY PERMANENT			Maste	er Roll	ISI	0			
			Adhesive			lt h	gth	\	Stock/MTO
Part Number	Carrier	Liner	Unwind	Carrier & Adhesive	Liner	Width	Length	0.43 0.47	Str
IM6931-60W60	1/32" White	410 Acrylic	899 Rubber	35.25	60# SCK	60"	216'	0.43	S
IM6831-60W60	1/16" White	410 Acrylic	899 Rubber	66.50	60# SCK	60"	108'	0.47	S

PERMANENT/ REMOVABLE		Maste	er Roll	MSI	0					
Part Number Carrier		Coat Weight Mils		Caliper Mils		lth	gth	Weight / N	Stock/MTO	
	Carrier	Adhesive	Liner	Un- wind	Carrier & Adhesive	Liner	Width	Length	We	Stc
IM5931-80W60	1/32" White Foam	Perm/Remove	0.8	1.8	33.85	83# White SCK	60"	216'	0.49	S
IM5831-80W60	1/16" White Foam	Perm/Remove	0.8	1.8	65.10	83# White SCK	60"	108'	0.60	S



Double Coated Foam Tapes



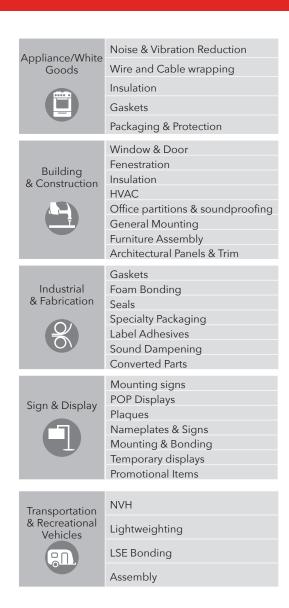
High performance rubber adhesives with an excellent combination of peel, tack and shear properties. Bonds well to low surface energy materials, firm foam & rubber materials and flexible magnets.

Physical Properties	Typical Values
Application Temperature	50°F
Service Temperature	0°F to 180°F (-18°C to 82°C)
Humidity & Moisture Resistance	++++
Peel & Tack	++++
Shear Strength/Creep Resistance	++++
Chemical Resistance	-



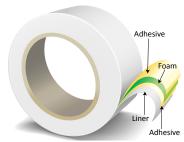
Mactac is the first BioPreferred pressure-sensitive adhesive manufacturer recognized by the USDA.

Learn more at www.mactac.com/tape-sustainability





Double Coated Foam Tapes



Double Coated Foam

WHITE FOAM		(Construct	ion			Maste	er Roll	150	
				Veight ils	Caliper Mils		ith	gth	ght / MSI	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Width	Length	Weight,	Stoc
IM1800XTW60	1/32" White PE Foam	XT Rubber	2.6	2.6	36.45	81# Brown PCK	60"	216'	0.49	S
<u>IM1810XTW60</u>	1/16" White PE Foam	XT Rubber	2.6	2.6	67.70	81# Brown PCK	60"	108'	0.60	S
<u>IM1830XTW60</u>	1/16" White PE Foam	XT Rubber	2.6	2.6	67.70	83# White SCK	60"	108'	0.60	М
<u>IM1900XTW60</u>	1/32" White PE Foam	XT Rubber	1.8	1.8	34.85	83# White SCK	60"	216'	0.49	S
<u>IM1930XTW60</u>	1/16" White PE Foam	XT Rubber	1.8	1.8	66.10	83# White SCK	60"	108'	0.60	S
<u>IM1940XTW60</u>	1/8" White PE Foam	XT Rubber	1.8	1.8	128.60	78# White SCK	60"	108'	0.60	S

BLACK FOAM		Construction								
			Mils M		Caliper Mils		Vidth	gth		Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Wic	Length	0.49 0.60 0.60	Stoc
<u>IM1700XTW60</u>	1/32" Black PE Foam	XT Rubber	1.8	2.2	35.25	83# White SCK	60"	216'	0.49	S
<u>IM1730XTW60</u>	1/16" Black PE Foam	XT Rubber	1.8	2.2	66.50	83# White SCK	60"	108'	0.60	S
IM1740XTW60	1/8" Black PE Foam	XT Rubber	1.8	1.8	129.00	78# White SCK	60"	108'	0.60	М



HTA410 - High Tack Acrylic Tapes



Aggressive acrylic adhesive with high tack and peel. Excellent choice for bonding to medium to high surface energy materials, foam bonding including PU foams, insulation materials and bonding to textiles and textured surfaces.

Physical Properties	Typical Values
Application Temperature	50°F
Service Temperature	-40°F to 300°F (-40°C to 149°C)
Humidity & Moisture Resistance	+++
Peel & Tack	++++
Shear Strength/Creep Resistance	+
Chemical Resistance	+++
Plasticizer Resistance	++++
Foam Bonding	PU, Poron, EPDM, Nitrile PVC
UHMW	++++
Textiles & Fabrics	++++
PH Neutral	✓

^{*} Download our full foam bonding guide at mactac.com/TResources



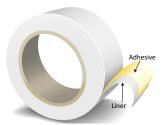


HTA410 - High Tack Acrylic Tapes



Double-Coated Tapes

	Construction									MSI	0
			Coat W	eight Mils	Caliper Mils		End Use	£	-£		Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Width	Length	Weight	Stoc
<u>IB4130-60</u>	.5mil PET	HTA410	1.2	1.2	2.9	60# SCK	Medium	54"	750'	0.32	М
IB4130-72	.5 mil PET	HTA410	1.2	1.2	2.9	72# PCK	Medium	54"	750'	0.33	S
<u>IB4131-72</u>	.5 mil PET	HTA410	1.8	1.8	4.1	72# PCK	Medium	54"	750'	0.38	S
<u>IB4132-72</u>	.5mil PET	HTA410	2.4	2.4	5.3	72# PCK	Medium	54"	750'	0.46	S
IB4130-80	.5mil PET	HTA410	1.2	1.2	2.9	80# NT PCK	Medium	54"	750'	0.33	М
IB4131-80	.5mil PET	HTA410	1.8	1.8	4.1	80# NT PCK	Medium	54"	750'	0.38	М
IB4132-80	.5mil PET	HTA410	2.4	2.4	5.3	80# NT PCK	Medium	54"	750'	0.46	S
IB4432-72	2.6 mil White PP	HTA410	2.4	2.4	7.4	72# PCK	Medium	54"	750'	0.51	S



Transfer Adhesives

		(Construction				Master	Roll	t. (10
5			Coat	Caliper Mils		End Use	뀱	gth	Weight, MSI	Stock/MTO
Part Number	Carrier	Adhesive	Weight Mils	Liner & Adh	Liner	Release	Width	Length	3	Stoc
Single Liner Tra	ansfer Adh	esives								
IF4032-60W60	NA	HTA410	2.0	5.5	60# SCK	Medium	60"	540'	0.26	S
<u>IF4032-72</u>	NA	HTA410	2.0	7.8	72# PCK	Medium	54" or 60"	540'	0.32	S/M
<u>IF4033-72</u>	NA	HTA410	3.0	7.8	72# PCK	Medium	54" or 60"	540'	0.33	S/M
<u>IF4034-72</u>	NA	HTA410	4.0	9.8	72# PCK	Medium	54" or 60"	540'	0.35	S/M
IF4032-80	NA	HTA410	2.0	8.1	80# NT PCK	Medium	54"	540'	0.33	М
IF4033-80W60	NA	HTA410	3.0	9.1	80# NT PCK	Medium	60"	540'	0.35	S
IF4034-80W60	NA	HTA410	4.0	10.1	80# NT PCK	Medium	60"	540'	0.39	S
Double Liner T	Double Liner Transfer Adhesives									
IF4032-2PET	NA	HTA410	2.0	5.2	1.2/2.0 PET	Medium	60"	540'	0.25	М

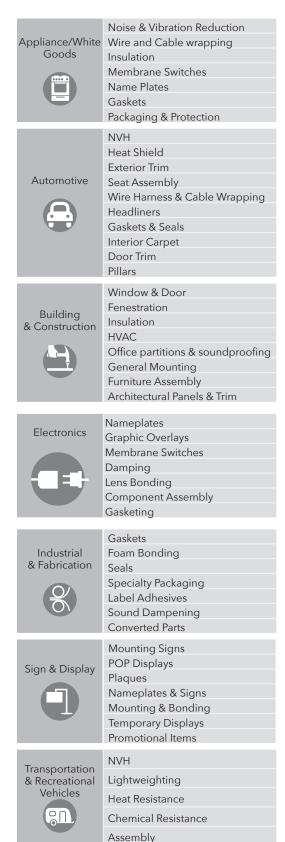


HSA440 - High Strength Acrylic Tapes



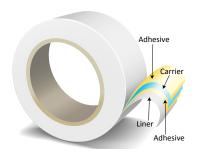
Versatile acrylic adhesive with an excellent balance of peel, tack and shear. Performs well on medium to high surface energy materials, excellent temperature and humidity resistance.

Physical Properties	Typical Values
Application Temperature	50°F
Service Temperature	-40°F to 325°F (-40°C to 163°C)
Humidity & Moisture Resistance	++++
Peel & Tack	+++
Shear Strength/Creep Resistance	+++
Chemical Resistance	+++
Plasticizer Resistance	++++
UHMW	++
PH Neutral	1
UL969 & CSA 22.2 No. 15 Recognized	Indoor & Outdoor Applications



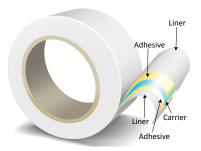


HSA440 - High Strength Acrylic Tapes



Double-Coated/
Single Liner Tapes

Double-Coated/ Double Liner Tapes

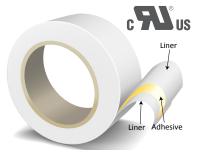


	Construction									MSI	2
			Coat We	ight Mils	Caliper Mils		End Use	th.)th		Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adh	Liner	Release	Width	Length	Weight /	Stoc
<u>IB4140-72</u>	.5 mil PET	HSA440	1.2	1.2	2.9	72# PCK	Medium	60"	750'	0.33	S
<u>IB4142-72</u>	.5 mil PET	HSA440	2.4	2.4	5.3	72# PCK	Medium	60"	750'	0.46	S
Double Liner T	apes										
<u>IB4140-72L</u>	.5 mil PET	HSA440	1.2	1.2	2.9	1.2 mil PET/ 72#PCK liner	Medium	60"	750'	0.33	S
<u>IB4142-2PET</u>	.5 mil PET	HSA440	1.15	1.15	2.9	1.2 mil PET/ 2.0 mil PET	Medium	60"	750'	0.34	S
IB4142-72L	.5 mil PET	HSA440	2.4	2.4	5.3	1.2 mil PET/ 72# PCK	Medium	60"	750'	0.46	S



Transfer Adhesives/ Single Liner

Transfer Adhesives/ Double Liner



	Construction									5
			Coat Weight	Caliper Mils	Liner	End Use	tth	ngth	Weight MSI	Stock/MTO
Part Number	Carrier	Adhesive	Mils	Liner & Adhesive		Release	Width	Leni	Š	Stoc
Single Liner Tra	ansfer Adh	esives								
<u>IF4042-72</u>	NA	HSA440	2.0	7.8	72# PCK	Medium	60"	540'	0.32	S
<u>IF4044-72</u>	NA	HSA440	4.0	9.8	72# PCK	Medium	60"	540'	0.35	S
Double Liner T	ransfer Ad	hesives								
<u>IF4042-2PET</u>	NA	HSA440	2	5.2	1.2/2.0 PET	Medium	60"	540'	0.25	S



LSE427 - Low Surface Energy Acylic Tapes



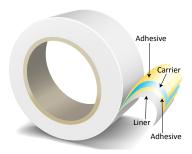
Aggressive, modified acrylic adhesive designed for bonding to low surface energy materials and textured surfaces. Performs well on many grades of foam and rubber. Moderate shear.

Physical Properties	Typical Values
Application Temperature	50°F
Service Temperature	-40°F to 350°F (40°C to 177°C)
Humidity & Moisture Resistance	+++
Peel & Tack	+++
Shear Strength/Creep Resistance	++
Chemical Resistance	++
Plasticizer Resistance	++++
Foam Bonding	Poron, EPDM, Nitrile PVC, SBR, Ester PU
UHMW	++++

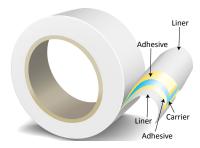




LSE427 - Low Surface Energy Acylic Tapes



Double Coated/ Single Liner Tapes

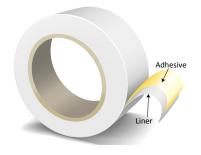


Double Coated/ Double Liner Tapes

	Construction									t/	10
B (N)			Coat We	ight Mils	Caliper Mils		End Use	Width	Length	Weight, MSI	Stock/MTO
Part Number	Carrier	Carrier Adhesive Liner Unwind Carrier & Adh	Release	Wic	Len	}	Sto				
Double Coated	d Tape - Sir	ngle Liner									
<u>IB4172-72</u>	.5 mil PET	LSE427	1.8	1.8	4.1	72# PCK	Medium	54"	750'	0.36	S
Transfer Adhes	ive - Single	e Liner									
<u>IF4072-72</u>	NA	LSE427		2.0	7.3	72# PCK	Medium	54"	540'	0.46	S
Tissue Support	Tissue Supported Tape - Single Liner										
IB4375-72	Tissue	LSE427		5.0	5.0	72# PCK	Medium	60"	750'	0.35	М

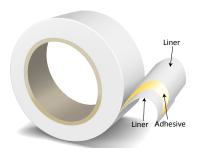
	Construction								t /	5.0
Deat Noveleau	C	A alla a attura	Coat Weight Caliper Mils		15	End Use	Width	Length	Weight	Stock/ MTO
Part Number	Carrier	Adhesive	Mils	Carrier & Adh	Liner	Release	, Ņ	Len		0,
Double Coated Tape - Double Liner										
IB4172-72L	.5 mil PET	LSE427	1.8/1.8	4.1	1.2 mil PET/ 72#PCK	Easy Medium	54"	750'	0.41	S
Transfer Adhe	Transfer Adhesive - Double Liner									
<u>IF4072-72L</u>	NA	LSE427	2.0	7.3	1.2 mil PET/ 72#PCK	Easy Medium	54"	750'	0.38	S

	Construction								t/	TO
Part Number	Carrier	Adhesive	Coat Weight	Caliper Mils	Liner -	End Use	Width	-ength	eight MSI	ck/M
rait Number	Carrier	Adriesive	Mils	Carrier & Adh	Lillei	Release	Ν̈́	Ler	\$	Stock/
Tissue Suppo	rted Tape -	Double Lir	ner							
IB4372-72L	Tissue	LSE427	5.0	5.0	1.2 mil PET/ 72#PCK	Easy Medium	60"	750'	0.41	М



Transfer Adhesive Single Liner

Transfer Adhesive/ Double Liner





LS55 - Solvent Acrylic Tapes



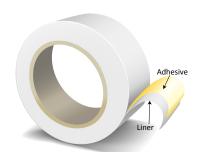
Macbond LS55 Series features a highly tackified acrylic adhesive that provides ultimate bond on low surface energy or other difficult to adhere to substrates.

Physical Properties	LS55
Application Temperature	50°F
Service Temperature	-40°F to 250°F
Humidity & Moisture Resistance	++++
Peel & Tack	++++
Shear Strength/Creep Resistance	+++
Chemical Resistance	++++
Plasticizer Resistance	+++
Foam Bonding	Nitrile PVC, EPDM, Porom, PU

Appliance/White Goods	Noise & Vibration Reduction Wire and Cable wrapping Insulation Membrane Switches Name Plates Gaskets
Building & Construction	Window & Door Fenestration Insulation Office partitions & soundproofing General Mounting Furniture Assembly Architectural Panels & Trim
Abrasives & Polishing	Woodworking Pads Opthalmic Semiconductor
Automotive	NVH Heat Shield Exterior Trim Wire Harness & Cable Wrapping Gaskets & Seals Interior Carpet Door Trim Pillars
Transportation & Recreational Vehicles	NVH Lightweighting Heat Resistance LSE Bonding Chemical Resistance Assembly
Electronics	Nameplates Graphic Overlays Membrane Switches Damping Lens Bonding Component Assembly Gasketing



LS55 - Solvent Acylic Tapes



Transfer Adhesive Single Liner

Transfer Tapes		Construction					Master	Roll	MSI	<u></u>
			Coat Caliper Mils End Use		Coat Caliper Mils End Use		£	£	_	Stock/MTO
Part Number	Carrier	Adhesive	Weight Mils	Adhesive & Liner	Liner	Release	Width	Length	Weight,	Stoc
<u>IF2072-60</u>	NA	High Tack Acrylic	2.0	5.6	60# PCK	Medium	54"	540'	.30	S
<u>IF2074-60</u>	NA	High Tack Acrylic	4.0	7.6	60# PCK	Medium	54"	540'	.40	S



481- Solvent Acrylic Tapes



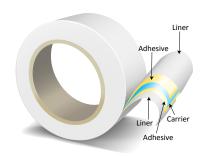
Macbond 481 Series features a high performance acrylic adhesive designed to provide high shear and ultimate bond on medium to high surface energy materials.

Physical Properties	MP481
Application Temperature	50°F
Service Temperature	-40°F to 250°F (-40°C to 121°C)
Humidity & Moisture Resistance	++++
Peel & Tack	+++
Shear Strength/Creep Resistance	++++
Chemical Resistance	++++
Plasticizer Resistance	+++
Foam Bonding	Nitrile PVC, EPDM, Poron, PU
UL Recognized	File# MH14249*





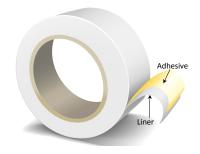
481- Solvent Acrylic Tapes



Double Coated/ Double Liner Tapes

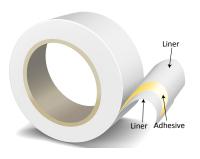
Double Coated			Co	nstructio	n			Master Roll			0	
				Veight ils	Caliper Mils	Liner &	End Use	듚	gth	Weight / MSI	Stock/MTO	Comments
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adhesive		Liner	Release	Wic	Width Length Weigh	Stc	
IB2122-290	1.0 mil PET	MP481	1.5	1.5	4.0	90#/90#	Medium	54"	750′	.28	S	
IB2322-290	3.0 mil PET	MP481	1.5	1.5	6.0	90#/90#	Medium	54"	1500′	.28	М	Roll or Sheet 10-15 Day Lead Time
IB2522-290	5.0 mil PET	MP481	1.5	1.5	8.0	90#/90#	Medium	54"	1500′	.32	М	Roll or Sheet 10-15 Day Lead Time

Transfer Tapes		Construction					Master	Roll	MSI	Q
			Coat	Caliper Mils		End Use	ţ	lth		<u> </u>
Part Number	Part Number Carrier Adhesive Weight Mils	Weight Mils			Release	Width	Length	Weight/	Stock/MTO	
<u>IF2012-60</u> *	NA	MP481	2.0	5.6	60# PCK	Medium	54"	540'	.28	S
IF2015-60	NA	MP481	5.0	8.6	60#PCK	Medium	Custom	Custom	-	М
IF2011-PET-90	NA	MP481	1.5	10.1	1.2 PET Sacrificial liner/90# PCK	Medium	54"	540'	.32	S



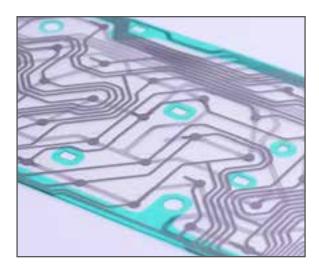
Transfer Adhesives/ Single Liner

Transfer Adhesives/
Double Liner





Solvent Acrylic Tapes



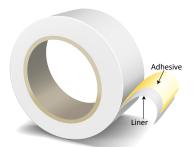
High performance acrylic tapes designed for challenging applications, that require heat, chemical and environmental resistance.

Physical Properties	HBA724
Application Temperature	50°F
Service Temperature	-40°F to 350°F (40°C to 177°C)
Humidity & Moisture Resistance	++++
Peel & Tack	+++
Shear Strength/Creep Resistance	++++
Chemical Resistance	++++
Plasticizer Resistance	++++
Foam Bonding	EPDM, Poron
UHMW	++
JIS A-1901 Compliant	✓
SAE J1756	✓
UL Recognized	





Solvent Acrylic Tapes

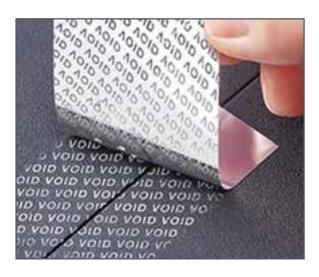


Transfer Adhesives/ Single Liner

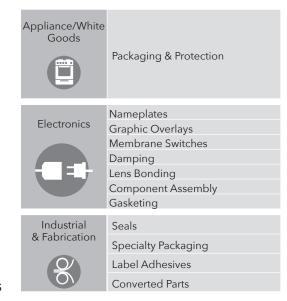
	Construction							Master Roll		5
			Coat Weight	Caliper Mils		End Use	íidth	gth	eight	ck/M
Part Number	Part Number Carrier Adl		Mils	Liner & Adhesive	Liner	Release	Wio	Len	Š	Stoc
Tissue Support	ted Tape - :	Single Line	r							
<u>IB7372-72</u>	Tissue	HBA724	5.0	5.0	72# PCK	Medium	60"	750'	0.41	S



Engineered Laminates



Lintec manufactures high performance functional laminates engineered for challenging applications. Applications include durable goods, electronics, security and surface protection.



Physical Properties	Silicone	Oil Tolerant	Security/Void	Destructible	Heat Resistant
Application Temperature	50°F	50F	+39F	+39F	50F
Service Temperature	-40°F to 212°F (-40°C to 100°C)	-40°F to 212°F (-40°C to 100°C)	-40°F to 212°F (-40°C to 100°C)	-40°F to 212°F (-40°C to 100°C)	-40°F to 212°F (-40°C to 100°C)
Peel & Tack	-	+++	++	++++	++++
Chemical Resistance	++++	++++	++++	++++	++++
Moisture Resistance	++++	++++	++++	++++	++++
Removability	++++	-	VOID Pattern or No-residue VOID	-	-
Applications	Die Cut Part Protection Surface Protection Removable Labels	Steel Labels Automotive Labels Cosmetics Labeling	Device Packaging Identification Warranty & Asset Protection Product Warning Labels	Tamper Evidence Security Seals	Circuit Boards Electronics Automotive



Engineered Laminates

Product #	Facestock	Adhesive	Liner	Width	Length	MSI	WHSE
Silicone Surface	Protection Tape / Labelstock						
LTCRE505SW48	2.0 mil Clear PET	Silicone (POP)	N/A	48.0"	750'	0.28	PA
LTCRE505S48	2.0 mil Clear PET	Silicone (POP)	75# White Kraft	48.0"	750′	0.30	PA
Oily Tolerant							
LTCOT5038H	2.0 mil White Semi-Gloss PET	Oil Tolerant HCW	50# White Glassine	47.2"	2,500'	0.26	CA
Security VOID							
LTC01912	2.0 mil White Gloss VOID Polyester	P293DS	50# White Glassine	38.6"	2,500'	0.25	CA
LTC01572	1.5 mil Clear Gloss VOID Polyester	Specialty VOID	60# Blue Glassine	37.8"	2,500′	0.25	CA
Destructible							
LTC03124	2.0 mil White Satin Destructible PVC	PAT1	45# White Glassine	39.8"	2,500'	0.25	CA
Heat Resistant							
LTCHR3210-25	1.6 mil White Topcoated Polyetherimide	Heat Resistant Acrylic	65# Blue Glassine	19.3"	1,640'	0.23	JP

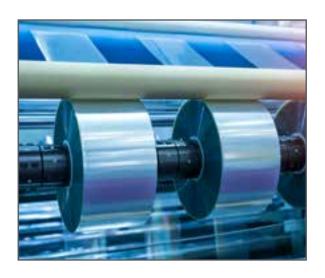




Interested in the full line of Lintec products? Visit www.mactac.com/RLResources.com



General Purpose Laminating Adhesives



Gaskets Industrial Foam Bonding & Fabrication Seals Specialty Packaging **Label Adhesives** Flexible Magnet Laminating **Converted Parts Mounting Signs** POP Displays Sign & Display Plaques Nameplates & Signs Mounting & Bonding Temporary Displays **Promotional Items**

Robust general purpose laminating adhesives, excellent for building label or laminate constructions on press, bonding to flexible magnet material or securing RFID inlays.

Physical Properties	Typical Values
Application Temperature	25°F
Service Temperature	-75°F to 200°F (-60°C to 93°C)
Humidity & Moisture Resistance	+++
Peel & Tack	++
Shear Strength/Creep Resistance	++
Chemical Resistance	++
Plasticizer Resistance	++
Ph Neutral	✓

Double Liner	Construction						r Roll	MSI	0
	Coat Weight			End Use	th	ngth	_	Stock/MTO	
Part Number	Carrier	Adhesive	Mils	Liner	Release	Width	Lenç	Weight	Stoc
Single Liner Tra	ansfer Adhesive								
<u>IF3091-60</u>	NA	GP99	1.0	60# PCK	Medium	54"	540'	0.28	S
Double Liner T	ransfer Adhesiv	е							
<u>IF3051W52</u>	NA	GP310	1.0	2.5 mil SCK 3.2 mil SCK	Medium	52"	540'	0.28	S



Surface Protection & Optical Processing Tape





Single coated polyethylene film specially designed for optical lens processing and surface protection. Adhesive is designed to provide a firm, yet cleanly removable bond to most surfaces.

Physical Properties	Typical Values			
Application Temperature	+50°F			
Service Temperature	-40°F to 300°F			
Humidity & Moisture Resistance	++++			
Peel & Tack	+			
Shear Strength/Creep Resistance	++++			
Chemical Resistance	++++			
Plasticizer Resistance	++++			
Ph Neutral	✓			

	Construction						r Roll	MSI	2	
			Adhesive Weight Liner		Coat End Use		idth	gth		Stock/M ⁻
Part Number	Facestock	Adhesive			Release	Wid	Leng	Weight	Stoc	
Single Liner Tra	ansfer Adhesive									
OPT4321-50	Translucent Blue PE Film	MR208	1.1	50# SCK	Medium/Easy	60"	To Order	0.25	S	





GS Series - The Rubber Rivet Tape - High Strength Rubber Transfer Adhesive

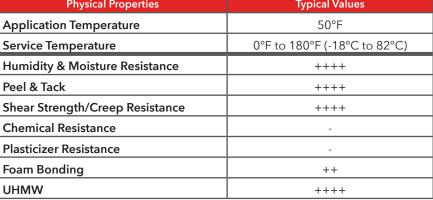


Specially formulated rubber adhesive designed to be coated at thickness from 5 to 50 mils. All tapes are coated in lanes to create a dry edge for ease of handling.

Benefits

- GS Series tapes provide exceptional peel, tack and shear properties.
- Gap Filler
- Third Hand for Assembly
- Moisture Barrier

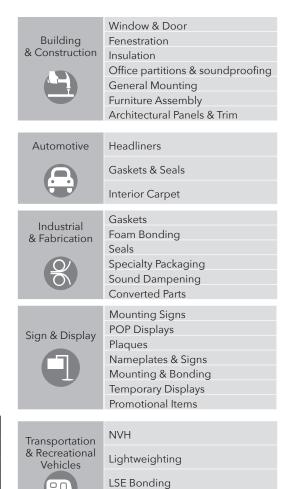
Physical Properties	Typical Values				
Application Temperature	50°F				
Service Temperature	0°F to 180°F (-18°C to 82°C)				
Humidity & Moisture Resistance	++++				
Peel & Tack	++++				
Shear Strength/Creep Resistance	++++				
Chemical Resistance	-				
Plasticizer Resistance	-				
Foam Bonding	++				
UHMW	++++				





Mactac is the first BioPreferred pressure-sensitive adhesive manufacturer recognized by the USDA.

Learn more at www.mactac.com/tape-sustainability

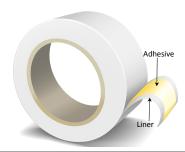


Assembly





GS Series - The Rubber Rivet Tape - High Strength Rubber Transfer Adhesive



			Product	Details				
Part Number	Adhesive	Adhesive Caliper Mils	Adhesive Width	Liner Width	Roll Length	MOQ Rolls	Rolls/Carton	Stock/ MTO
<u>GS1001</u>	GS Ultra High Tack	20	1.00"	1.50"	200'	8	8	Stock
<u>GS1003</u>	GS Ultra High Tack	20	.50"	1.00"	200'	12	12	Stock
<u>GS1004</u>	GS Ultra High Tack	35	.50" (RR)	2.00"	200'	6	6	Stock
GS1007	GS Ultra High Tack	35	1.00"	1.50"	200'	8	8	Stock
<u>GS1013</u>	GS Ultra High Tack	20	2.00"	3.00"	200'	4	4	Stock
GS1019	GS Ultra High Tack	35	0.75"	1.50"	200'	96	8	MTO
GS1023	GS Ultra High Tack	15	1.00"	1.50"	200'	96	8	MTO
GS2123200	GS Ultra High Tack	10	2.00"	3.00"	200'	48	4	MTO
GS2145-SC	GS Ultra High Tack	10	4.00"	5.00"	1350'	16	16*	MTO
GS2003	GS Ultra High Tack	5	0.75"	1.20"	900'	30	10	MTO
<u>GS2004</u>	GS Ultra High Tack	5	1.00"	1.50"	900'	24	8	MTO
<u>GS2208</u>	GS Ultra High Tack	15	4.00"	6.00"	400'	36	2	MTO
GS2313	GS Ultra High Tack	20	1.00"	1.20"	200'	120	10*	MTO
GS2603RR	GS Ultra High Tack	35	(2) @ .75" (RR)	3.00"	200'	48	4	МТО
GS2906	GS Ultra High Tack	50	2.00"	2.40"	150'	160	10	MTO
Samples								
MAC-GS1001	GS Ultra High Tack	20	1.00"	1.50"	50'			
MAC-GS1007	GS Ultra High Tack	35	1.00"	1.50"	50'			
MAC-GS2004	GS Ultra High Tack	5	1.00"	1.50"	50'			
MAC-GS2204	GS Ultra High Tack	15	1.00"	1.50"	50'			
MAC-GS2504	GS Ultra High Tack	30	1.00"	1.50"	50'			

(RR) = 2 lanes of adhesive

- Available in 5.0 to 50 mil Thick configurations
- Adhesive widths 0.5" 11.5"
- MTO sizes ship in 10 15 days
- Custom configurations are available with low minimums
- All rolls manufactured with dry edges

^{*} Packed on Pallets





Low VOC Tapes



LV750 - Aggressive non-VOC hot-melt rubber adhesive with excellent peel, tack and shear properties. Superior adhesion to LSE materials such as PE, PP and TPO type materials. Bonds well to various types of foams and rubber extrusions

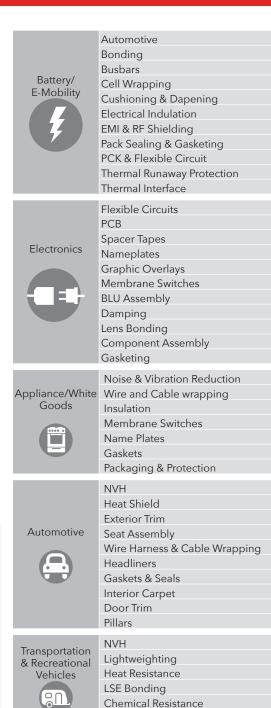
LV820 - Aggressive non-VOC, low outgassing & low migration acrylic adhesive with excellent peel and tack properties. Bonds wells to open celled materials, textiles, textured materials and medium-high surface energy substrates.

LV840 - High temperature non-VOC, low outgassing & low migration acrylic adhesive with good peel, tack and shear properties. Good die cutting properties and cold flow resistance. Good adhesion to mediumhigh surface energy materials

LV860 - Low surface energy, non-VOC modified acrylic adhesive with excellent peel & tack properties. Bonds well to LSE plastics and surfaces including certain silicone foams.

Physical		Typical	Values	
Properties	LV750	LV820	LV840	LV860
Application Temperature	50°F	50°F	50°F	50°F
Service Temperature	40°F to 180°F (-40°C to 82°C)	-40°F to 300°F (-40°C to 149°C)	-40°F to 325°F (-40°C to 163°C)	40°F to 300°F (-40°C to 149°C)
Humidity & Moisture Resistance	++++	+++	+++	+++
Peel & Tack	++++	++++	+++	++++
Shear Strength/ Creep Resistance	++++	+	+++	++
Chemical Resistance	+	+++	++++	+++
Plasticizer Resistance	-	++++	++++	+++
JIS A-1901 Compliant		1	1	
PH Neutral		/	✓	

For the most current information please visit mactac.com.

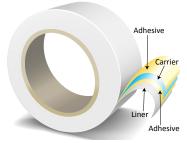


Assembly

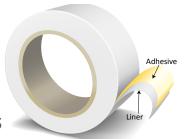




Low VOC Tapes



Double-Coated Tapes



Transfer Adhesives

			Cor	structio	n				Maste	er Roll		
			Coat We	ight Mils	Caliper Mils		End Use	m vn /AC)	_	ے	ght / SI	/MTC
Part Number	Carrier	Adhe- sive	Liner	Unwind	Carrier & Adhesive	Liner	Release	Minimum Breakdown Voltage (kVAC)	Width	Length	Weight / MSI	Stock/MTO
Double-Coated	d Tapes											
CB1100-60	.5 mil PET	LV750	1.2	1 2	20	60# SCK	Medium	2.5	54"	7501	.35	S
CB1100-72	.5 MILPET	LV/50	1.2	1.2	2.9	72# PCK	Medium	3.5	54	750'	.36	S
CB1102-60						60# SCK	Medium				.37	S
CB1102-80	.5 mil PET	LV750	2.0	2.0	4.5	72# PCK	Medium	4.0	54"	750'	.38	S
CB1102-12						12pt	Medium				.41	S
CB4161-72	.5 mil PET	LV860	1.8	1.8	4.1	72# PCK	Medium	3.5	54"	750'	.36	S
CB4180-72	.5 mil PET	LV820	1.2	1.2	2.9	72# PCK	Medium	0.5	54"	750'	0.33	S
CB4180-80	.5 mil PET	LV820	1.2	1.2	2.9	80# NT PCK	Medium	2.5	54"	750'	0.33	М
CB4181-72	.5 mil PET	LV820	1.8	1.8	4.1	72# PCK	Medium	3.25	54"	750'	0.38	S
CB4182-72					- 0	72# PCK		0.5		750.	0.11	
CB4182-80	.5 mil PET	LV820	2.4	2.4	5.3	80# NT PCK	Medium	3.5	54"	750'	0.46	S
CB4190-72	r uper	1) (0.40	4.0	4.0	0.0	72# PCK	NA II	2.05		E 401	0.22	6
CB4190-2PET	.5 mil PET	LV840	1.2	1.2	2.9	2.0 mil PET	Medium	3.25	60"	540'	0.33	S
CB4192-72	.5 mil PET	LV840	2.4	2.4	5.3	72# PCK	Medium	3.25	60"	540'	0.38	S

			Constructio	n			Maste	er Roll	<u> </u>	10
			Coat	Caliper Mils		End Use	th.	Length	Weight /	Stock/MTO
Part Number	Carrier	Adhesive	Weight Mils	Liner & Adh	Liner	Release	Width	Len	Š	Stoc
Single Liner Tra	ansfer Adh	esives								
<u>CF1091-78</u>	NA	LV750	1.8	6.5	78# SCK	Medium	54"	540′	.31	S
CF1093-78	NA	LV750	2.6	8.3	78# SCK	Medium	54"	540′	.33	S
<u>CF4062-72</u>	NA	LV860	2.0	9.8	72# SCK	Medium	54"	540′	.46	S
CF4082-72	NA	LV820	2.0	7.8	72# PCK	Medium	54"	540'	0.32	S
CF4082-80	NA	LV820	2.0	8.1	80# NT PCK	Medium	54"	540'	0.33	М
CF4083-72	NA	LV820	3.0	8.8	72# PCK	Medium	54"	540'	0.33	S
CF4083-80	NA	LV820	3.0	9.1	80# NT PCK	Medium	60"	540'	0.35	S
CF4084-72	NA	LV820	4.0	9.8	72# PCK	Medium	54"	540'	0.35	S
<u>CF4084-80</u>	NA	LV820	4.0	10.1	80# NT PCK	Medium	60"	540'	0.39	S
CF4092-72	NA	LV840	2.0	7.8	72# PCK	Medium	60"	540'	0.32	S
CF4094-72	NA	LV840	4.0	9.8	72# PCK	Medium	60"	540'	0.35	S



Differential Double Coated Tapes



Permanent/Removable options include IB5121-72W60, IB5131-72W60 and IB5161-72W60. This product line features either XT rubber or FBR 899 on the exposed side to provide aggressive bond to foams or rigid materials. A low tack or aggressive removable acrylic adhesive are available depending on the level of adhesion required.

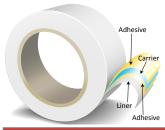
Permanent/Permanent features an XT rubber on the exposed side with an aggressive acrylic adhesive on the other side. This combination provides an excellent choice for bonding foams or rigid materials and medium to high surface energy materials including PU foams, textiles and textured surfaces.

Physical Properties	Typical Values Low Tack	Typical Values Aggressive Rem.
Application Temperature	50)°F
Service Temperature	-40°F to 180°F	(-40°C to 82°C)
Peel & Tack	-	+
Shear Strength/Creep Resistance	++	++++
Chemical Resistance	++++	++++
Plasticizer Resistance	++++	++++





Differential Double Coated Tapes



Double Coated Tapes

	Construction								Master Roll		170
			Coat We	ight Mils	Caliper Mils		End Use	¥	gth	Weight. MSI	Stock/MTO
Part Number	Carrier	Adhesive	Liner	Unwind	Carrier & Adh	Liner	Release	Width	Length	Š	Stoo
Permanent/Re	movable A	Adhesives									
<u>IB5121-72W60</u>	.5 mil PET	XT/Low Tack Acrylic	1	1.2	2.7	72# PCK	Medium	60"	750'	0.33	S
<u>IB5131-72W60</u>	.5 mil PET	XT/Aggressive Removable	0.8	1.8	3.1	72# PCK	Medium	60"	750'	0.33	S
<u>IB5161-72W60</u>	.5 mil PET	FBR899/Low Tack Acrylic	1	2	3.5	72# PCK	Medium	60"	750'	0.35	S
Permanent/Pe	rmanent A	dhesives									
<u>IB6132-72W60</u>	.5 mil PET	XT / HTA410	1.5	1.8	4.1	72# PCK	Medium	60"	750′	0.39	S
IB6132L12	.5 mil PET	XT/ HTA410	1.8	1.8	4.1	12pt	Medium	60"	750′	0.39	М

Service Program

How to Order

Mactac Customer Service C	Contact Information
Email	performanceadhesives@mactac.com
Phone	800-548-3456
Fax	800-233-4293
Shipment Lead Time	
Pre-slit Program	Same day if received by 12pm EST or next day
GS Tape Products	Stock sizes ship same day if received by 12pm EST or next day MTO sizes ship within 10 - 15 business days
Standard Slitting Orders	Industrial Tape Products Ship in 5 - 7 business days unless otherwise noted on your quote.
	Medical Tape Products Ship in 10 business days unless otherwise noted on your quote.
Custom or Made to Ordser	Lead times vary based on construction, order volume and scheduling. Please work directly with your sales representative. Custom orders have a shipment tolerance of +/- 20% of the original quantity ordered. Customer will be billed for the actual amount of material shipped.

Standard Roll Lengths & Handling Charges							
Product Line	моо	Master Roll Length	Short Roll Fee Applied per Product				
Double-Coated Tapes (IB Products)	1 master roll	750′					
Foam Tapes (IM Products) 1/32" Foam 1/16" Foam	1 master roll 1 master roll	216′ 108′	\$50.00				
Transfer Adhesives (IF Products)	1 master roll	540′					

 $[\]hbox{* Longer roll lengths are available, maximum length will be determined by desired slit width.}\\$

Standard Slitting Charges

Set Up Charge - IB, IM, IF, CB, CF, A	RTX, TM Products	Clari T. I	Shipping Tolerance		
# of Cuts / Approx. Width	Fee	Slitting Tolerance	# of Slit Rolls		
0 -9 Cuts >6"	n/a	+/- 1/32"	+/- 10%		
10 - 27 Cuts 2" - 6"	\$50.00	+/- 1/32"	+/- 10%		
28 - 54 Cuts 1" - 2"	\$100.00	+/- 1/32"	+/- 20%		
55+ <1"**	\$150.00	+/- 1/32"	+/- 20%		

^{**} Please call your sales representative if you require slit rolls that are less than .75" wide. Lead time, roll lengths and slitting charges may vary.

Packaging

Poker Packaging	Cradle Packaging	Carton Packaging	Log Roll Carton Packaging	
Pallets will be selected to best match order widths, lengths and volumes.	Pallets will be selected to best match order widths, lengths and volumes.	Pallets will be selected to best match order widths, lengths and volumes.	Pallets will be selected to best match order widths, lengths and volumes.	
Chip board / Deck Pads	Chip board / Deck Pads	Chip board / Deck Pads	Chip board / Deck Pads	
Rolls placed with labels lined up uniformly facing the outside of the length of the pallet.	Rolls placed with labels lined up uniformly facing the outside of the length of the pallet.	Place poly bag into carton	Poly bag each roll	
Release discs between rolls.	Release discs between rolls.	Release paper on bottom and between rolls	Upsom pad (fit to carton) with plastic plug (2113) and release disc on each end of the roll	
2 x 2 angle board between roll cores.	2 x 2 angle board between roll cores.	Pilot core between roll cores (must be 2" from top)		
Poly Sheet	Plastic banded rolls to pallet through 2 x 2 angle boards	May use upsom between layers for stability		
Stretch wrap	Roll wedges	Corner board		
Pallet label placed on top end of the length side of pallet facing out	Poly sheet	Polyband to pallet	Lay carton down on skid	
	Stretch wrap	Stretch wrap	Rope and stretch wrap	
	Pallet label placed on top end of the length side of pallet facing out.	Pallet label placed on top end of the length side of the pallet.	Pallet label placed on top end of the length side of the pallet.	
* Special Requests - Call Customer S charges may apply.	Service at 800-548-3456. Additional			

Pallet Options				
30" L x 30" W	48" L x 40" W			
36" L x 36" W	48" L x 48" W			
45" L x 45" W	54" L x 30" W			
48" L x 30" W	60" L x 30" W			

Pallets can contain mixed roll widths.

All efforts will be taken to keep mixed pallets to a minimum.

Quick Ship Service Program

Standard width log rolls available to ship in 1-2 business days!

Category	Part Number	Description	Roll Dimensions	кс	PA
Double Costed Tape	IB1122-60PS	.5 mil Clear PET 2.1/2.1 mils FBR899 Rubber 60# SCK	60" x 750'	\	
Double Coated Tape - Rubber Adhesive IB1182XTPS		.5 mil Clear PET 1.2/1.2 mils XT Rubber 60# SCK	54" x 750'		1
	IB1190XTPS	.5 mil Clear PET 2.0/2.0 mils XT Rubber 60# SCK	54" x 750'	✓	1
Double Coated Tape - Acrylic Adhesive	IB4131-72PS	.5 mil Clear PET 1.8/1.8 mils HTA410 72# PCK Liner	54" x 750'	✓	

Specification Reference Guide

Ford						
Adhesive Series	XT Rubber			FBT	HTA410	
Specification						
ESF-M11P5-A	IB1178XT	IB1184XT	IB1190XT			
ESF-M11P5-B	IB1178XT	IB1184XT	IB1190XT			
ESH-M11P40-A	IB1178XT	IB1184XT	IB1190XT	FBT360/380		
ESA-M3G170-A	IB1178XT	IB1184XT	IB1190XT	FBT360/380		
ESA-M11P19A	IB1178XT	IB1184XT	IB1190XT	FBT360/380		
WSA-M11P19C	IB1178XT	IB1184XT	IB1190XT	FBT360/380		
ESB-M3G76-B2	IB1175XT	IB1183XT	IB1190XT		IB4131-72	IB4131-80

General Motors						
Adhesive Series	XT Rubber			FBT	HTA410	
Specification						
GMW16443	IB1190XT	IB1183XT	IB1175XT			

VOC & Fog Specifications		Adhesive			
JIS-A 1901		LV820 Products	LV840 Products	HBA724	
SAEJ1756				HBA724	
VDA 278		LV820 Products	LV840 Products		

Terms & Conditions

NOTICE: THIS ORDER WILL BE ACCEPTED AT TIME OF INVOICING AND SHIPMENT, AND WILL BE BILLED AT THE PRICE PREVAILING AT THE TIME OF SHIPMENT OF THE GOODS.

RETURNED MERCHANDISE CLAIMS - WILL NOT BE ACCEPTED UNLESS AUTHORIZED IN WRITING BY OUR HOME OFFICE. ALL CLAIMS FOR DEFECTIVE MERCHANDISE MUST BE MADE WITHIN 30 DAYS OF THE RECEIPT OF SHIPMENT. CLAIMS FOR LATENT DEFECTS MUST BE MADE WITHIN 90 DAYS.

WE HEREBY CERTIFY THAT THESE GOODS WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTION 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACT, AS AMENDED, AND OF REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.

STANDARD TERMS AND CONDITIONS OF SALE

- 1. Acceptance: This order is accepted by the seller (the "Company"), on and subject to the following terms and conditions, which terms and conditions may not be varied or added to except by a writing signed by the Company's duly authorized representative. Any terms in Purchaser's order or confirmation which are inconsistent herewith shall not be binding upon the Company. Telephone Monitoring We treat every customer call confidentially. To ensure that you receive accurate and courteous customer service, on occasion, your call may be monitored by a second employee.
- 2. Terms: All orders will be accepted at time of shipping and invoicing, and will be billed at the price prevailing at the time of shipment of the goods.

The terms of payment will be set forth on the face of the invoice.

- 3. Freight: All shipments are F.O.B. Factory, Shipping Point. All risk of loss or damage to the goods shall pass to the Purchaser upon delivery of the goods to a common carrier, whether sold with freight allowed or otherwise. The Company reserves the right to ship goods via the most economical routing; if shipped otherwise upon the Purchaser's request, Purchaser shall pay the difference in rate of transportation.
- 4. Taxes: All sales, excise or similar taxes which the Company may be required to pay or collect with respect to the goods covered by this order shall be paid by Purchaser, except as otherwise provided by law.
- 5. Excuse: The Company shall not be liable for failure to perform this contract by reason of strikes, fires, floods, unavoidable accidents, wars, delays in transportation, acts of God, or other causes beyond its reasonable control.
- 6. Warranty: The customer assumes all risk and liability for results obtained by the use of the Company material, whether used singly or in combination with other products. The Company is not responsible for the performance of materials which are (a) over 180 days old or (b) stored under conditions other than those specified on the Company shipping or carton label. The Company warrants that its goods are as described on the face hereof and are of commercially acceptable quality.

THE COMPANY MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED AND ALL OTHER WARRANTIES INCLUDING, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, ANY AND ALL WARRANTIES OF MERCHANTABILITY OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED AND DISCLAIMED. THE COMPANY'S LIABILITY PURSUANT TO ANY WARRANTY SHALL BE LIMITED TO THE REPAIR OR REPLACEMENT OF THE MATERIAL SOLD OR REPAYMENT OF THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES SHALL the company LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR DAMAGE TO OTHER PROPERTY, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, THE COMPANY SHALL HAVE NO LIABILITY FOR LOSS OF BUSINESS, BUSINESS INTERRUPTIONS, OR LOST PROFITS. IN NO EVENT SHALL THE COMPANY'S LIABILITY ON ANY WARRANTY OR CLAIMS WHATSOEVER, EXCEED THE COST OF THE MATERIALS SOLD.

7. Claims: Purchaser shall give written notice to the Company of any claims for breach of warranty within thirty (30) days after receipt of the goods if the breach or defect in the goods was or should have been discovered upon inspection of the goods; and Purchaser shall give written notice to the Company of any other claims for breach of warranty within ninety (90) days after it discovers or should have discovered such breach. Any remedy of the Purchaser against the Company shall be barred unless notice is given in accordance with the foregoing provision. All actions by the Purchaser for breach of warranty against the Company shall be brought within 180 days after the cause of action thereon accrues.

The liability of the Company for breach of warranty shall be limited solely to either the replacement of the goods or the return of the goods and repayment of the purchase price to Purchaser at the Company's discretion; such remedy shall be the exclusive and sole remedy of the Purchaser against the Company. The Company shall not be liable for any consequential or incidental damages suffered by Purchaser as a result of any breach of warranty.

- 8. Litigation: In the event that suit is brought against the Purchaser with patent infringement by reason of its use of any of the goods sold hereunder, Purchaser shall give notice in writing to the Company of such suit within ten (10) days after the service upon the Purchaser of notice of such action. Failure to give such notice shall bar any claim of Purchaser against the Company resulting from such litigation.
- 9. Applicable Law: This Agreement shall be governed by and construed upon the laws of the State of Ohio and Federal law where applicable.
- 10. Entire Agreement: This Agreement contains the entire agreement between Purchaser and the Company and shall not be varied or added to except by a further written agreement signed by Company's duly authorized representative.
- 11. Indemnities: The Buyer shall indemnify and hold harmless the Producer from any and all loss, cost, expense and damages on account of any and all manner of claims, demands, actions and proceedings that may be instituted against the Producer on grounds alleging that the said product and method violates any copyright or any proprietary right of any person, or that contains any matter that is libelous or scandalous, or invades any person's right to privacy or other personal rights, except to the extent that the Producer has contributed to the matter. The Buyer agrees to, at the Buyer's own expense, promptly defend and continue the defense of any such claim, demand action or proceeding that may be brought against the Producer, provided further that the producer shall give to the Buyer such reasonable time as the exigencies of the situation may permit in which to undertake and continue the defense thereof.



