

Mactac®

Introducing Mactac's LSE427 Acrylic Adhesive

Mactac is a leading manufacturer of pressure-sensitive adhesives with more than 60 years in the industrial tape market. Building on our 100% solids, solvent free platform, we are proud to announce our latest innovation - LSE427 acrylic adhesive. This adhesive performs exceptionally well on popular foam grades, Polyethylene, Polypropylene and TPO.

Applications:



Gaskets



Insulation Bonding



General Mounting



Automotive



Foam Bonding



POP/Signage



Building & Construction



Nameplates

Features

- High performance, solvent free acrylic adhesive
- Available as a double coated tape, supported transfer adhesive or transfer adhesive
- Available with 1 or 2 liners, depending on converting method and handling preference

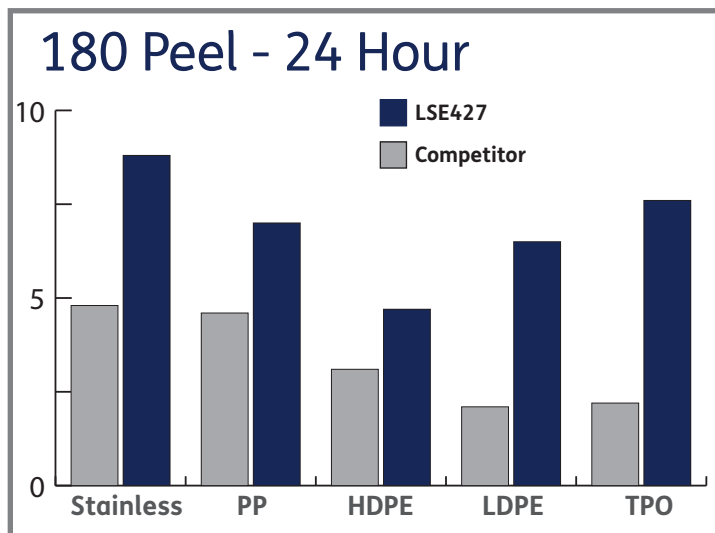
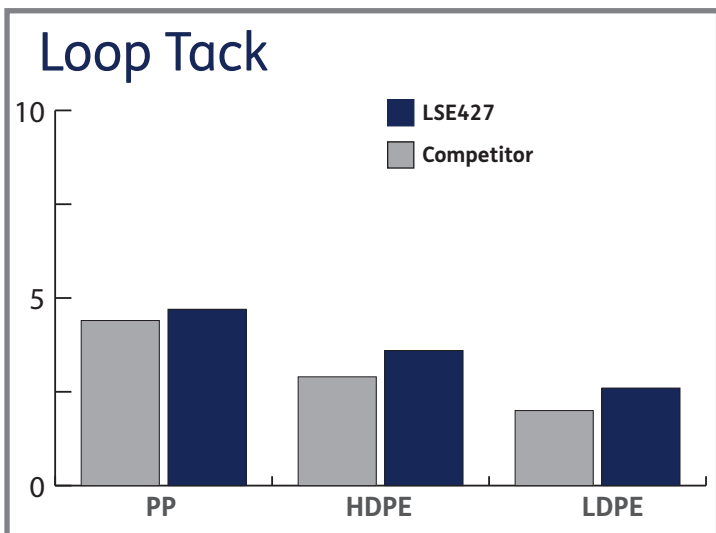
Benefits

- Excellent performance on low surface energy substrates including: TPO, LDPE, HDPE, polypropylene and most foam materials
- Ideal coat weights for both smooth and rough surfaces
- Excellent chemical and UV resistance
- Double liner version provide ease of handling and die cutting

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LSE427 Acrylic Adhesive

LSE427 Outperforms the Competition



Result information reported in charts above is lbs/in

LSE427 Maintains Adhesion After Chemical Exposure

Chemical and Water Resistance		
Stainless Steel Substrate	Exposure Time	Peel Values (lbs/in)
Gasoline (87)	1 Hour	7.2
MEK	1 Hour	5.4
Weak Acid	4 Hours	5.0
Weak Base	4 Hours	4.3
Motor Oil (10W30) @ 120°F	72 Hours	7.5
Water	100 Hours	4.5
Salt Water (5%)	72 Hours	6.4
Enviromental Testing		
90°F and 90% RH	168 Hours	7.0

Application Temperature
Service Temperature

+50°F
-40°F - 350°F

	Part Number	Carrier	Coat Weight mils	Liner (s)	Peel Performance (lbs/in)			Shear
					Stainless	HDPE	TPO	Hours
Transfer Adhesive	IF4072-72	N/A	2.0	72# PCK	8.8	4.0	4.7	55+
	IF4072-5072	NA	2.0	50# SCK/72# PCK	8.8	4.0	4.7	55+
Supported Transfer Adhesive	IF4375-72	Tissue	5.0	72# PCK	9.1	4.5	5.2	55+
	IF4375-5072	Tissue	5.0	50# SCK/72# PCK	9.1	4.5	5.2	55+
Double Coated Tapes	IB4172-72	.5 mil PET	1.8/1.8	72# PCK	8.8	4.1	4.7	55+
	IB4172-5072	.5 mil PET	1.8/1.8	50# SCK/72# PCK	8.8	4.1	4.7	55+

Foam Bonding Performance

Adhesive (2 mils)	Neoprene	EPDM	Nitrile PVC	NBR-PVC-CR	Polyurethane	HDPE	LDPE
LSE 427	+++	++++	++++	++++	++++	++++	+++

Key +++ Very Aggressive ++++ Foam Destruction



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LSE427 Acrylic Adhesive



Meets the following criteria:

FDA 21CFR 175.105

Reach and RoHS

Prop 65 compliant

Consumer Product Safety Improvement Act of 2008

For Performance Guides

please visit www.mactac.com/industrialtapes.

Mactac is ISO9000-2000 certified.

Mactac is a member of the following organizations:

Gasket Fabricators Association

National Association of Graphic and Product Identification Manufacturers, Inc. (GPI)

Pressure Sensitive Tape Council (PSTC)