



PERFORMANCE GUIDE

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FFD4954

Revised: 07/22 KA

2 mil Silver Matte PET / PAT1 / 2.6 mil White Glassine

Description		Applications and End Uses	
Product	FFD4954 - 2 mil topcoated silver matte polyester with a durable and aggressive permanent acrylic adhesive and a 45# white glassine liner.		Designed for use in nameplate and durable equipment label applications. Excellent flexo and thermal transfer printability with most resin ribbons.
	<i>Recognized for UL969 component labels. This product is UL Recognized for indoor and outdoor applications. For specific recognition, consult UL file No. PGGU2.MH12627 Marking and Labeling Systems Materials and PGJ12.MH26726 Printing Materials.</i>		Used for warning and instructional labeling that contains critical information about safety and handling. These labels serve various functions including logos, warning labels, and serial numbers. These labels are designed to last the life of the product, adhere to difficult substrates such as plastics and metals, and may require higher heat resistance.
	<i>CUL recognized under UL file No. PGGU8.MH12627 Marking and Labeling System Materials Certified for Canada and PGJ18.MH26726 Printing Materials.</i>		
	Lintec item: FNS Matt N50 PAT1 8K(W)		
Face	2.0 mil silver matte polyester, topcoated for superior printability for flexography and thermal transfer. Features high strength, tear resistance, dimensional stability and temperature resistance.		
Physical Properties without Adhesive			
	Caliper, inches	0.002 (2 mils)	ASTM D-2103
Adhesive	PAT1 is a high performance, permanent acrylic adhesive with excellent ultimate adhesion, low adhesive ooze and mandrel hold. It is extremely chemical and solvent resistant and has very good adhesion to various high and low energy substrates.		
Physical Properties of Adhesive			
	Thickness, inches	0.0007 +/- 10%	
	180° Peel Adhesion, lbs./in.	Stainless Steel: 3.0	CTM-8 (30 min. applied) Reference: PSTC-101A
	Temperature Ranges		
	Minimum Application	+39°F (4 °C)	CTM #45 Curwood Polyester Film Dry Surface
	Service Ranges	-40°F to +302°F (-40 °C to +150 °C)	
Liner	A 45# white glassine liner. Excellent for die cutting and stripping. The liner is coated with a release system designed for label dispensing. Primarily for roll-to-roll applications where a more demanding liner is needed.		
	Caliper, inches	0.0026+/- 10%	TAPPI T-411
	Basis Weight, lbs. (24" x 36"/500 sheets)	45 +/- 10%	TAPPI T-410
Shelf Life	Product retains its performance and properties for two years from date of manufacture when stored at 72° F and 50% relative humidity.		

CALL 1-800-548-3456 for additional product information



Underwriters Laboratories, Inc.

Substrates	Minimum Temperature		Maximum Temperature		(I=Indoor Only I/O= Indoor & Outdoor)	Additional Conditions
	° F	° C	° F	° C		
Acrylic Paint	-40	-40	212	100	I/O	-
Aluminum	-40	-40	212	100	I/O	-
Galvanized Steel	-40	-40	212	100	I/O	-
Stainless Steel	-40	-40	212	100	I/O	-
Epoxy Paint	-40	-40	176	80	I/O	-
Phenolic	-40	-40	176	80	I/O	-
Polycarbonate	-40	-40	140	60	I/O	-
Unsat Thermoset Polyester	-40	-40	140	60	I/O	-
ABS Plastic	-40	-40	140	60	I/O	-
Epoxy	-40	-40	176	80	I/O	-
Polyphenylene Oxide	-40	-40	176	80	I/O	-
Polypropylene	32	0	140	60	I	-
Polystyrene	-40	-40	140	60	I/O	-
Polyvinyl Chloride	-40	-40	140	60	I/O	-

Substrates	Maximum Temperature		(I=Indoor Only I/O= Indoor & Outdoor)	Additional Conditions
	° F	° C		
Metals	212	100	I/O	-
Plastic Group I	176	80	I/O	-
Plastic Group II	176	80	I/O	-
Plastic Group III	140	60	I/O	-
Plastic Group IV	140	60	I/O	-
Plastic Group VI	140	60	I/O	-
Plastic Group VII	140	60	I/O	-

Compliance Recognition, Inks: UL PGJ12 / cUL PGJ18

UL Recognized Thermal Transfer Ribbon

Armor SA AXR 600, AXR 7+, Autonics Co. HD, DNP R300, TR4070, Dynic Corp. CD-20, HL45, Fujicopian FSR, FSR11, FTX 300, FTX 301, TTM-111, TTM80, Lintec SI-5102, SI-5141, SI-5202, SI-5202G, SI-5402, SI-6112, SI-7142 Ricoh B110C, B110CR, B110CX, Toppan Printing Co. HD, Toshiba BR(e)A21, BR(e)R2, BR(e)R7S, BR(e)R8S, Zebra Technologies 5095

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