BSPET Revised: 3/11 2 mil Bright Silver Metalized PET / MP690 / 3.2 mil SCK

Description		Applicat	Applications and End Uses				
Product	BSPET - 2 mil gloss top-coated, to polyester with a durable and aggre acrylic adhesive and a 3.2 SCK lir	Designed for use in nameplate, durable equipment and drum label applications. Excellent flexo and thermal transfer printability with most resin and wax/resin ribbons.					
	Recognized for UL969 componen UL Recognized for indoor and out specific recognition, consult UL file						
Face	2 mil bright silver metalized polyester, topcoated for superior printability via flexo and thermal transfer. Features high strength, tear resistance, dimensional stability and temperature resistance.						
	Physical Properties Without Adhesive						
	Caliper, inches	Caliper, inches 0.0			ASTM D-2103		
	Tensile, lbs./in.	40	0 MD 60 CE)	TAPPI-494		
Adhesive	MP690 is a high performance, high tack, durable, permanent acrylic emulsion with excellent ultimate adhesion and mandrel hold. It is extremely chemical and solvent resistant and has very good adhesion to various high and low energy substrates. Complies with FDA 21 CFR 175.105						
	Physical Properties of Adhesive						
	Thickness, inches	0.001 +/- 10%					
	Peel Adhesion, lbs./in.	3.8	CTM-8 (30 min. a Reference: PSTC-				
	Temperature Ranges						
	Minimum Application Service Ranges	+50℉ (10℃) -40°F to +302°F (-40℃	to +150℃)	-	5 Curwood er Film Dry		
	Loop Tack – Stainless Steel, Ibs./in.	3.8		PSTC11			
Liner	A semi-bleached, super-calendared kraft 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		0.0032+/- 1	0%	TAPPI T-411		
	Basis Weight, lbs. (24" x 3	36"/500 sheets)	50 +/- 10%		TAPPI T-410		
Shelf Life	Product retains its performance ar	nd properties for two year	rs from date (of manufac	ture when stored		

This product complies with CONEG regulations.

All Roll Label products meet the requirements of the Clean Air Act of 1990.

* NOTE: Thermal transfer printing quality and bar code scannability are dependent upon the interworking of several elements; the ribbon, the printhead and the facestock. Please test all applications. Contact your UL label supplier for guidelines regarding printer and ribbon compatibility.

Performance Data

Surface	Initial	72 hours @ Room Temp.	72 hours @ 120º F.	24 hours @ 90º F. / 90% RH
Stainless Steel	3.0	5.9	6.8	1.5
Aluminum	3.2	5.8	6.3	3.7
Polypropylene	1.9	3.0	5.5	4.1
HDPE	2.5	5.7	4.1	4.1
LDPE	1.0	2.2	1.8	3.8
ABS	4.5	5.3	5.3	4.3
Polycarbonate	5.4	5.5	2.9	3.3

Typical peel value of 2 mil PET face applied to tested surface in lbs./in.

Chemical Resistance

Typical peel value of 2 mil PET face applied to stainless steel and immersed in test chemicals for four hours, in lbs./in.

Chemical	Adhesion
Isopropyl Alcohol	4.6
Oil	6.4
Oil @ 250° F.	6.4
Water	4.3
Acid – pH 4	5.4
Base – pH 11	5.0
409 [®] Cleaner	5.4
Toluene	2.5
Acetone	2.8
Brake Fluid	6.4
Gasoline	2.8
Diesel Fuel	5.8
Mineral Spirits	5.3
Hydraulic Fluid	6.3
Tide [®] Detergent	5.7
Kerosene	5.3
Heptane	4.9

COLOR Underwriters Laboratories, Inc. Minimum

	Minimum Maximum Temperature Temperature					
Substrates	° F	° C	° F	° C	(l=Indoor Only I/O= Indoor	Additional Conditions
					& Outdoor)	
1. Acrylic Paint	-40	-40	302	150	I/O	C,F1,G,K,O
2. Alkyd Paint	-40	-40	302	150	I/O	C,F1,G,K,O
3. Aluminum	-40	-40	302	150	I/O	C,F1,G,K,O
4. Epoxy Paint	-40	-40	302	150	I/O	C,F1,G,K,O
5. Galvanized Steel	-40	-40	302	150	I/O	C,F1,G,K,O
6. Polyester Paint	-9.4	-23	302	150	I/O	C,F1,G,K,O
7. Polyester Powder Paint	-9.4	-23	302	150	I/O	C,F1,G,K,O
8. Polyurethane Powder Paint	-9.4	-23	302	150	I/O	C,F1,G,K,O
9. Porcelain	-40	-40	302	150	I/O	C,F1,G,K,O
10. Stainless Steel	-40	-40	302	150	I/O	C,F1,G,K,O
11. Acrylic Powder Paint	-40	-40	257	125	I/O	C,F1,G,K,O
12. Epoxy Powder Paint	-40	-40	257	125	I/O	C,F1,G,K,O
13. Melamine	-40	-40	212	100	I/O	C,F1,G,K,O
14. Nylon	-40	-40	212	100	I/O	C,F1,G,K,O
15. Phenolic	-40	-40	212	100	I/O	C,F1,G,K,O
16. Polycarbonate	-40	-40	212	100	I/O	C,F1,G,K,O
17. Unsat Thermoset Polyester	-40	-40	212	100	I/O	C,F1,G,K,O
18. ABS Plastic	-40	-40	176	80	I/O	C,F1,G,K,O
19. Epoxy	-40	-40	176	80	I/O	C,F1,G,K,O
20. Polyphenylene Oxide	-40	-40	176	80	I/O	C,F1,G,K,O
21. Polypropylene	-9.4	-23	176	80	I/O	C,F1,G,K,O
22. Polystyrene	-40	-40	176	80	I/O	C,F1,G,K,O
23. Polyvinyl Chloride	-40	-40	176	80	I/O	C,F1,G,K,O
24. Acrylic	-40	-40	140	60	I/O	C,F1,G,K,O
25. Polyethylene	-9.4	-23	140	60	I/O	C,F1,G,K,O



	// Indees Only			
Substrates	°F	º C	(I=Indoor Only I/O= Indoor & Outdoor)	Additional Conditions
1. Metals	302	150	I/O	C,G,K,O
2. Electrostatic coated metal A	302	150	I/O	C,G,K,O
3. Electrostatic coated metal B	257	125	I/O	C,G,K,O
4. Electrostatic coated metal C	257	125	I/O	C,G,K,O
5. Electrostatic coated metal D	302	150	I/O	C,G,K,O
6. Plastic Group I	212	100	I/O	-
7. Plastic Group II	176	80	I/O	-
8. Plastic Group III	176	80	I/O	-
9. Plastic Group IV	176	80	I/O	-
10. Plastic Group V	176	80	I/O	-
11. Plastic Group VI	176	80	I/O	-
12. Plastic Group VII	176	80	I/O	-
13. Plastic Group VIII	176	80	I/O	-
14. Porcelain (PRCLN)	302	150	I/O	C,G,K,O

- C Occasional exposure to Cooking Oil (room temp).
- F1 Occasional exposure to Fuel Oil No. 1.
- G Occasional exposure to Gasoline splashing.
- K Occasional exposure to Kerosene.
- O Occasional exposure to Lubricating Oil.

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