SP-2549 MATT SILVER POLYESTER LABELSTOCK FOR THERMAL TRANSFER PRINTING

Description

SP-2549 is a high temperature thermal transfer printable labelstock. Designed to be printed with high performance resin /resin-wax based ribbons, SP-2549 will withstand temperatures up to 200°C and is resistant against many solvents and processing chemicals.

Applications

Electronic Industry: For topside of printed circuit boards and for component labelling.
Automotive Industry
Airmotive Industry
General Industrial applications requiring high temperature resistance and or chemical resistance.

Properties

- Thermal transfer printing
- Suitable for barcode printing
- Smudge resistant

Resistance against Chemicals & Solvents

Test Method: Labelstock is applied to stainless steel plate and immersed in medium.

Medium	Test Duration	Result
Water at 95°C	8 hours	No effect*
Transformer oil at 23°C	24 hours	No effect*
Diesel oil at 23°C	24 hours	No effect*
Motor oil (sae 30) at 23°C	24 hours	No effect*
Hydraulic oil (G.M Dextron II) at 23°C	24 hours	No effect*
Hexane at 23°C	24 hours	No effect*
Heptane at 23°C	16 hours	No effect*
White Spirit at 23°C	1 hour	No effect*
Jet Fuel A1 (ASTM D1655) at 23°C	24 hours	No effect*
Avgas 100LL (ASTM D910) at 23°C	24 hours	No effect*
Anti-Freeze solution at 23°C *1	24 hours	No effect*
Detergent solution at 23°C *2	8 hours	No effect*

Recommended ribbons & printers	
Printer	**Recommended ribbons**
Fargo Prodigy Plus (203 dots/inch, 4 inch/sec speed, high burn setting)	Sony TR4090, Sigma E, Sigma P, Pelican T1016, Armor AXR-7+
Zebra 90 Xi (300 dot/inch, 2 inch/sec speed, high burn setting)	Keymax Alpha, Sigma P, Sigma E, Sony TR4090, Pelican T016, Ricoh D105A, Armor AXR-7+
Zebra 91 (300 dot/inch, 2 inch/sec speed, high burn setting)	Keymax Alpha, Sigma P, Sigma E, Sony TR4090, Pelican T016 Ricoh D105A Armor AXR-7+

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* ADHESION TO TEST PLATE IS UNAFFECTED/SURFACE IS INTACT
*1 MIXTURE OF ETHYLENE GLYCOL AND WATER (1:1)
*2 WATER WITH 3% COMMERCIAL DETERGENT/ SURFACTANT

Note: Above recommendations are based on tests with ribbons as supplied by Manufacturer. No guarantee is given in respect of performance of own branded ribbons or re-formulated versions of the above ribbons.

Technical Data	EN Value	ASTM Value
Supporting base:	Polyester (PETP) Film	
Base thickness:	0.050 mm	2.0 Mil
Total thickness:	0.077 mm	3.1 Mil
Adhesive:	Acrylic	
Colour:	Matt Silver	
Short term heat resistance:	Up to 200°C	
Interliner	Siliconised paper 90 g/m^2	

Additional Information

Minimum recommended application temperature : Room Temperature: 18°C (64°F)
Printing method: Thermal Transfer
Die cutting :
Rotary die-cutting is recommended.
High winding tensions should be avoided.
Packaging :
Store roll labelstock and finished labels in plastic bags.
Handling :
Avoid contact with label surface. Processing environment should be kept clean and free from dust and dirt.
Storage Conditions :
Recommended storage conditions are 20°C (68°F) and 50% relative humidity

Adhesive Strength : 180° Peel, 10 min Dwell		
Surface	**EN Value**	**ASTM Value**
Stainless Steel	1.0 N/cm	9 OZ/Inch
Aluminium	1.5 N/cm	13.5 OZ/Inch
Solder resist coated Printed Circuit Board	1.0 N/cm	9.0 OZ/Inch
Polyimide Film	1.0 N/cm	9.0 OZ/Inch
Powder Coated Surface	2.5 N/cm	22.5 OZ/Inch

Heat Resistance	
Temperature	**Time**
155°C (311°F)	short term
130° C (266°F)	long term

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