

Facestock

A white topcoated polyimide film with very high dimensional stability, heat and chemical resistance. The high opacity white topcoat is specifically designed for thermal transfer printing and offers excellent scratch, scuff, UV, high temperature and solvent resistance.

Basis Weight	105 g/m ²	ISO 536
Caliper	70 µm	ISO 534
Maximum Peak Temperature	+300 °C	

Adhesive

S8088 is a high temperature acrylic adhesive with excellent heat and chemical resistance

Liner

BG50 white, a supercalendered paper

Basic Weight	80 g/m ²	ISO 536
Caliper	68 µm	ISO 534

Laminate

Total caliper	160 µm ± 10% ISO 534	
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Performance Data

Initial Tack	5 N/25mm	FTM 9 glass
Peel Adhesion 90°	5 N/25mm	FTM 2 st.st.;
Service Temperature	-40 °C to +180 °C	
Adhesive Coat Weight	25 g/m ²	FTM12
Adhesive Type	Solvent Acrylic	

Adhesive Performance

S8088 was specially developed for labeling printed circuit boards prior to soldering.

Applications and Use

Matt white Polyimide MP2624 is designed to withstand reflow processes regardless if the label is on top or bottom of the board. It can also withstand two cycles of reflow processes when surface mounting elements to both sides of the board. The product is also designed to be used in the wave solder process even when directly exposed to the solder bath.

Conversion and Printing

The topcoat is designed for thermal transfer and flexo printing. When used with an appropriate ribbon it will withstand temperature spikes up to +300 °C. For best resistance resin ribbons are recommended, for example Armor AXR8 or DNP R510.

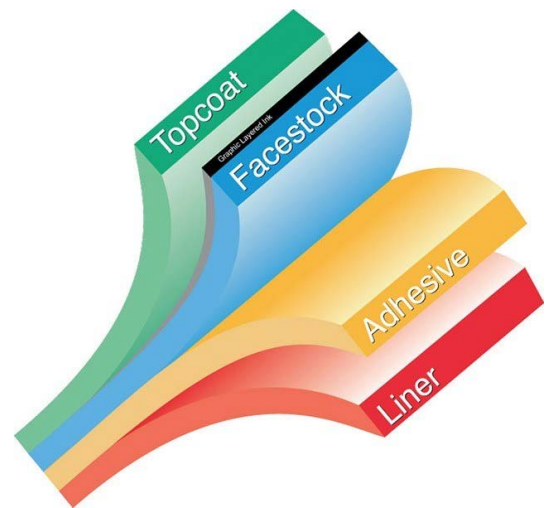
It is recommended to test the diecutting and automatic dispensing performance of this material prior use.

Compliance and Approvals

This product is UL and C-UL recognized (UL 969, CSA C22.2 No. 0.15). The UL file number is MH64678.

FPE MP2624

MATT WHITE POLYIMIDE
S8088-BG50WH





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Shelf Life

To obtain optimal performance, use this product within two years of the date of manufacture, under storage conditions as defined by FINAT (20-25°C; 40-50%RH). Prolonged storage outside these conditions might reduce the shelf life.

Appendix

Short Term High Temperature exposure

Tests were performed with thermal transfer printed labels, using the ribbon Armor AXR7+. Printed samples were laminated to aluminum; after a dwell time of 24 hours labelled panels were stored in ovens as indicated below.

Exposure time 80 seconds

Temperature	Result
300°C	Slight discoloration, print still legible, label remains functional
330°C	Moderate discoloration, print still legible, label remains functional
350°C	Moderate discoloration, print still legible, label remains functional

Exposure time 5 minutes

Temperature	Result
260°C	Slight discoloration, print still legible, label remains functional
280°C	Moderate discoloration, print still legible, label remains functional
300°C	Moderate discoloration, print still legible, label remains functional

Exposure time 2 hours

Temperature	Result
170°C	No visible effect
200°C	No visible effect
230°C	Moderate discoloration, print still legible, label remains functional
260°C	Moderate discoloration, print still legible, label remains functional

Compliance Data

UL = Underwriters Laboratories (UL 969, Category PGJ12)

File Number : MH64678, Category PGJ12

This material is UL recognized for indoor use where exposed to high humidity or occasional exposure to water.

Application Surface	Max Temp (°C)	Min Temp (°C)
Alkyd paint	+150	-40
Aluminum	+150	-40
Epoxy	+150	-40
Epoxy powder paint	+150	-40
Galvanized steel	+150	-40
Stainless steel	+100	-40

The UL recognition includes thermal shock (wave solder applications) at 300°C for 5 seconds on Epoxy.

The UL certification includes the printing with the following thermal transfer ribbons:
Armor "AXR7+", "AXR 8", "AXR EL", DNP "R510" and "R300", ITW "B324" and Ricoh "B110CR".

A photograph of various medical supplies including vials, syringes, and labels with barcodes and CE marks. The text 'SPECIALISTS IN PROFESSIONAL LABELS' is overlaid in white, and the 'FPE' logo is in red on the right.

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Compliance Data

CSA – Canadian Standards Association

UL has tested this product according to the requirements described in CSA C22.2 No. 0.15.

This product is C-UL recognized for indoor use.

The details are listed in the UL file number, MH64678 Category PGJ18.

Group	Application Surface	Max. Temperature (°C)
Metals	Bare, plated or enamelled steel; bare, anodized or enamelled aluminium	+150
Powder Coated Metal C	Epoxy powder coat paint	+150
Plastic Group VIII	Unsaturated (thermoset) polyester (fiberglass), epoxy plastic, polyethylene terephthalate, polybutylene terephthalate	+150

The C-UL certification includes the printing with the following thermal transfer ribbons:
Armor "AXR7+", "AXR 8", "AXR EL", DNP "R510" and "R300", ITW "B324" and Ricoh "B110CR".

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