

This technical data refers to the following Lighthouse products:

CPMSP251

DESCRIPTION

Platinum silver polyester film with a high bond strength permanent acrylic adhesive for use with the CPM-200 system.

Polyester is durable and extremely dimensionally stable material. The modified permanent acrylic adhesive provides excellent adhesion to low energy surface plastics, metals, painted metals and powder coatings. This UL and cUL recognised product offers good chemical and temperature resistance up to +150°C and is ideal for marking equipment and components including barcode and asset labels, rating plates etc.

CONSTRUCTION

Face film: 50 µm thick Polyester
 Adhesive: Modified acrylic based adhesive.
 Liner: Highly stable 135 gsm white Kraft paper.

TECHNICAL DATA

Thickness (Typical values)		
Film	50 micron	
Adhesive	46 micron	
Liner	17 microns / 135 gsm	

Adhesion (Typical values)				
FTM 1 180° Peel adhesion tested using FINAT Test Procedure (300mm/min)				
FTM 2 90° Peel adhesion tested using FINAT Test Procedure (300mm/min)				
Conditions:-	20 Minutes 23°C and 50% RH		72 Hours 23°C and 50% RH	
	180° Peel N/25mm	90° Peel N/25mm	180° Peel N/25mm	90° Peel N/25mm
Stainless Steel	23.1	20.4	29.4	24.6
ABS	20.3	15.3	24.6	20.1
Polycarbonate	22.4	16.3	26.4	20.5
Polypropylene	21.2	16.0	22.6	19.9
Conditions:-	72 Hours 70°C		72 Hours -40°C	
	180° Peel N/25mm	90° Peel N/25mm	180° Peel N/25mm	90° Peel N/25mm
Stainless Steel	28.0	25.5	27.1	25.6
ABS	25.1	18.0	23.2	24.8
Polycarbonate	23.7	21.4	26.6	23.8
Polypropylene	17.0	10.8	23.4	21.7

ADHESION DATA (Continued)

Conditions:-	72 Hours 40°C and 95% RH	
	180° Peel N/25mm	90° Peel N/25mm
Stainless Steel	26.8	24.5
ABS	21.1	23.8
Polycarbonate	18.9	23.8
Polypropylene	23.9	19.5

Minimum Application Temperature	+5°C
Service Temperature	-40°C to +150°C
Shelf Life (20°C – 50% relative humidity)	2 years Stored at 21°C and ±50% relative humidity.
Compliance	UL and cUL recognised. File No. MH18072 Descriptor 7872EC RoHS REACH
Compatible Ribbons for Printing Speciality Resin Ribbons. UL recognised when used in combination with this product.	CPMSR240, CPMSR241, CPMSR242, CPMSR243 CPMSR244

IMPORTANT NOTICE

All Lighthouse products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects.

Published information concerning Lighthouse products is based on research, which the Company believes to be reliable, although such information does not constitute a warranty.

Because of the variety of uses of Lighthouse products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use. We recommend the purchaser conducts their own testing to determine the suitability for their required application. The purchaser shall assume all risks regarding such use. The seller shall not be liable for damages in excess of the purchase price of the product nor for incidental or consequential damages.

All specifications are subject to change without prior notice.