

This technical data refers to the following Lighthouse products:

CPM201 - White	CPM202 - Yellow	CPM203 - Green
CPM204 - Red	CPM205 - Blue	CPM206 - Orange
CPM207 - Black	CPM208 - Silver	CPM212 - Clear

DESCRIPTION

Gloss calendered soft vinyl film with a permanent adhesive for use with the CPM-200 system. Medium term marking film designed for both indoor and outdoor applications such as, signs, labels, vehicle marking, and window graphics.

CONSTRUCTION

Face film:	Calendered vinyl film 70/75 µm thick, cadmium free.
Adhesive:	High quality solvent based permanent acrylic adhesive.
Liner:	Highly stable 135 gsm white Kraft paper.

TECHNICAL DATA

Thickness	Film only	70 micron	CPM201, CPM203, CPM205, CPM207, CPM208, CPM212
	Film + adhesive ISO 534	0.095mm	
	Liner	17 microns / 135 gsm	CPM202, CPM204, CPM206
	Film only	75 microns	
	Film + adhesive ISO 534	0.1mm	
	Liner	17 microns / 135 gsm	
Face Material, 23°C (Typical values)			
DIN 53455-5			
Tensile strength		>25N/15mm	
Elongation at break		≥150%	
Adhesion, 23°C (Typical values)			
FTM 1			
Peel adhesion 180° on stainless steel			
20 minutes		14 N/25mm	
24 hours		18 N/25mm	
1 week		19 N/25mm	
Dimensional Stability (Typical values)			
FTM 14			
48 hours at 70°C 25mm x 25mm sample on aluminium		<0.3%	
Durability			
Vertical weathering in central European climate.		5 years	CPM201 (White) & CPM207 (Black)
		4 years	CPM203, CPM205, CPM208, CPM212
		3 years	CPM202, CPM204, CPM206
Minimum Application Temperature		+10°C	
Service Temperature		-40°C to +70°C	
Flammability			
ISO 3795		Self-extinguishing, applied on aluminium	
Resistance To Solvents And Chemicals			
Applied on stainless steel 72 hours before immersion.		Water, water and detergent, alcohol: unaffected. Oil, gasoline: affected (lifting around edges).	
Shelf Life			
(20°C – 50% relative humidity)		2 years Stored at 15 to 25°C and ±50% relative humidity.	
Compliance		RoHS REACH	

TECHNICAL DATA (Continued)

Compatible Ribbons for Printing Standard Resin Ribbons. Process Colour Resin Ribbons.	CPMR240, CPMR241, CPMR242, CPMR243 CPMR244, CPMR245, CPMR246 CPMR253, CPMR254, CPMR255, CPMR256
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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.