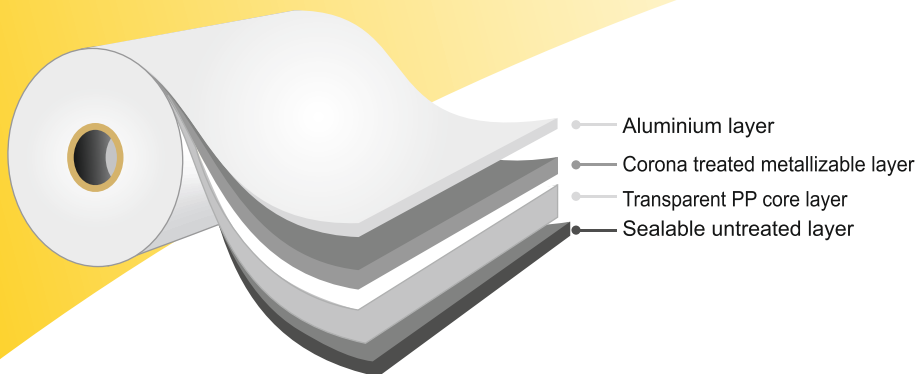


Metallised CPP Film For Extrusion Lamination

Structure



Description

It is a metallised cast polypropylene film with high metal bond strength and improved oxygen barrier.

Features

- Excellent metal bond strength
- High sealing strength
- Improved oxygen barrier

Applications

- Packaging & conversion
- Inner seal web in multi-layer laminate

Note : This grade is not recommended for solvent less & solvent based lamination.

Provisional Data Sheet

Properties	Ref.	Units	Astm # / Test Method	HST-1 (EL) M0 CPP T95	
Physical Data					
Average Thickness		micron	D-374-C	20	22
		gauge		80	88
Thickness Variation		% (±)		5	
Density		g/cc		0.90	
Average Substance		g/m²		18.1	19.8
Surface tension (minimum)		dynes/cm	D-2578	38	
Kinetic COF	UT/MO		D-1894	0.40 - 0.50	
Yield		m²/Kg	D-4321	55.2	50.5
Optical Data					
Optical Density (minimum)			CTM	2.3	
Mechanical Data					
Tensile Strength	MD	kg/ cm²	D-882	550 - 700	
	TD			200 - 300	
Elongation	MD	%	D-882	300 - 400	
	TD			600- 700	
Thermal Data					
Seal Initiation Temp.		°C	CTM	95	
Heat Seal Strength (min)		g/25mm	CTM	2200	
Metal Bond Strength		g/25mm	CTM	450	
Barrier Data					
MVTR (38°C, 90%RH)		g/m² /day	F-1249	<0.7	
OTR (23°C, 0%RH)		cc/m² /day	D-3985	<125	

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction MO : Metallised UT : Untreated

Disclaimer : The information provided above is based on COSMO FILMS LTD's conclusive tests, which are indicative only and provided as guidelines. They do not constitute a guarantee of any specific product attributes or the suitability of products for specific applications.

* Metallised films are well known to age with time. Climatic conditions and storage period influence the metallised surface treatment level. A guarantee of the duration of the treatment on the metallised surface cannot therefore be given. In case of deterioration of surface treatment level, it is recommended that the material is retreated prior to conversion to optimize adhesion of inks and adhesives.

* However we can give a guarantee of treatment level of 38 dynes/cm (minimum) for a period of 60 days provided that the film is stored at a temp. below 30 °C and relative humidity maximum 50%.

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Cosmo Films Limited

B-14/8-9, MIDC Industrial Area, Waluj, Aurangabad - 431 136, India, T: +91 240 6660000,
1008,DLF Tower -A, Jasola District Centre, New Delhi - 110 025, India, T: + 91-11-49 49 49 49,
E-mail: sales.enquiry@cosmofilms.com