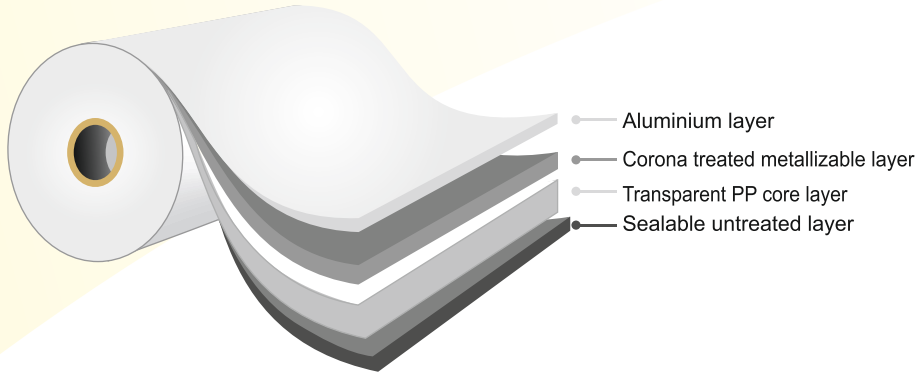


Metallised CPP Film With High Metal Bond Strength

Structure



Description

It is a clear 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

Provisional Data Sheet

Properties	Ref.	Units	Astm # / Test Method	HST-1 (HMBS) MO CPP
Physical Data				
Average Thickness		micron	D-374-C	22
		gauge		88
Thickness Variation		% (±)		5
Density		g/cc		0.90
Average Substance		g/m ²		19.8
Surface tension (min.)		dynes/cm	D-2578	38
Kinetic COF	UT/MO		D-1894	0.40 - 0.50
Yield		m ² /Kg	D-4321	50.5
Optical Data				
Optical Density			CTM	2.2 - 2.4
Mechanical Data				
Tensile Strength	MD	kg/ cm ²	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	2500
Metal Bond Strength		g/25mm	CTM	450
Barrier Data				
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	< 0.6
OTR (23°C, 0%RH)		cc/m ² /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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