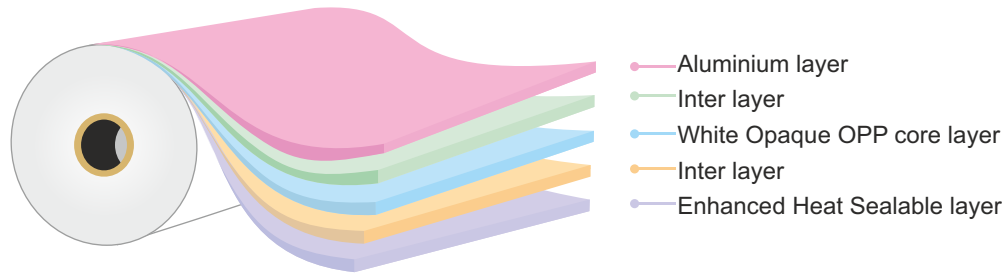


Metallized Pigmented Barrier Film

HST-1 (HBOM)

Structure



Description

It is a pigmented metallised Bi-axially Oriented Polypropylene film with exceptional oxygen & moisture barrier characteristics.

Features

- Exceptional oxygen, moisture and light barrier
- Outstanding aroma and flavor barrier
- Wide heat sealing window with enhanced heat seal and hot tack performance
- Improved oil resistance
- Suitable for both extrusion/adhesive lamination
- Excellent flex crack resistance

Applications

- Sensitive dry foods like baby powder, cereals, dry mixes, dehydrated food and coffee
- Confectionery, snacks and chips
- Health and beauty care, Pet food

Typical Values

Properties	Ref.	Units	ASTM # / Test Method	HST-1 (HBOM)
Physical Data				
Average Thickness		micron	D-374-C	28
		gauge		112
		mils		1.1
Thickness Variation		% (±)		5
Density		g/cc		0.75
Average Substance		g/m ²		21.0
Kinetic COF	UT-M		D-1894	0.20 - 0.40
Yield		m ² /kg	D- 4321	47.62
		in ² /lb		33476
Optical Data				
Optical Density			CTM	3.1
Mechanical Data				
Tensile Strength	MD	kg/ cm ²	D-882	650 - 750
	TD			1150 - 1350
Elongation	MD	%	D-882	150 - 180
	TD			30 - 60
Thermal Data				
Shrinkage (120 °C, 5 min.)	MD	%	D-1204	3.0 - 5.0
	TD			0.5 - 1.5
Seal Initiation Temp.		°C/°F	CTM	80 / 176
Heat Seal Strength @125°C, 0.5Sec,2.0bar		g/25mm	CTM	> 800
Barrier Data				
MVTR (38°C, 90%RH)		g/m ² /day	F-1249	0.1
MVTR (100°F, 90%RH)		g/100in ² /day		0.006
OTR (23 °C, 0%RH)		cc/m ² /day	D-3985	0.1
OTR (73 °F, 0%RH)		cc/100in ² /day		0.006

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction LTS : low temperature sealing UT = Un-treated M: Metal

Disclaimer: The information provided above is based on COSMO FILMS LTD's conclusive tests, which are indicative only and provided as guidelines.

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