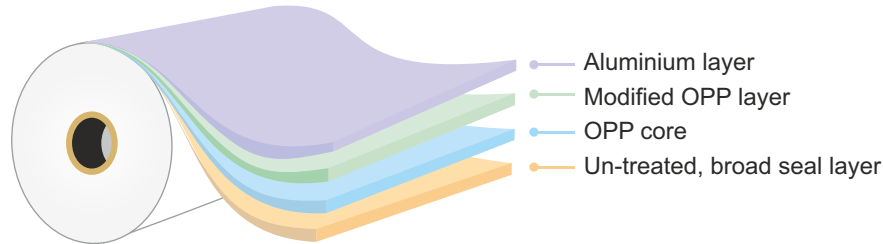


Metallised, High Barrier Film, Broad seal

HST-1 (HSS-EL) MO T085

Structure



Description

It is a co-extruded one side metallised other side heat sealable Bi-axially Oriented Polypropylene film

Features

- Excellent oxygen, moisture and light barrier
- Broad heat sealing window with high heat seal strength
- Non craze metal surface
- Suitable for both extrusion/adhesive lamination

Applications

- Inner sealing layer for Confectionery & snacks
- Pet food packaging

Typical Values

Properties	Ref.	Units	ASTM # / Test Method	HST-1 (HSS -EL) MO T085
Physical Data				
Average Thickness		micron	D-374-C	18
		gauge		72
		mils		0.7
Thickness Variation		% (±)		3
Density		g/cc		0.905
Average Substance		g/m ²		16.3
Kinetic COF	UT - UT		D-1894	< 0.55
Yield		m ² /kg	D - 4321	61.4
		in ² /lb		43160
Optical Data				
Optical Density			CTM	2.5 - 2.7
Mechanical Data				
Tensile Strength	MD	kg/ cm ²	D-882	1200 -1500
	TD			2400 -2800
Elongation	MD	%	D-882	140 -190
	TD			30 -80
Thermal Data				
Shrinkage (120°C/248°F, 5min.)	MD	%	D-1204	2.0 - 4.0
	TD			1.0 - 3.0
Seal Initiation Temp	UT	°C / °F	CTM	85 / 185
Heat Seal Strength in lamination @ 121 °C, 0.5 sec, 2 bar		g/25mm	CTM	700
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	< 10
OTR (73 °F, 0%RH)		cc/100in ² /day		< 0.64

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

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.

Cosmo Films

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