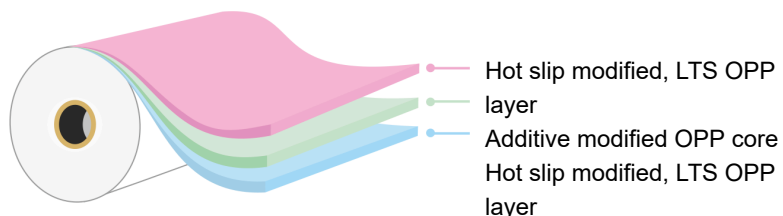


Overwrap Film Standard Shrink

HST-0(HS)

Structure



Description

It is a co-extruded, both side heat sealable and untreated Bi-axially Oriented Polypropylene film.

Features

- Excellent machinability
- Good heat seal strength and hot tack
- Excellent moisture barrier
- Low heat sealability

Applications

- High speed cigarette over-wrap
- Blade over-wrap, IV-Fluid over-wrap and carton over-wrap

Typical values

Properties	Ref.	Units	ASTM#/ Test Method	HST-0(HS)				
Physical Data								
Average Thickness		Micron	D-374-C	20	22	25	30	50
		Gauge		80	88	100	120	200
		Mils		0.8	0.9	1.0	1.2	2.0
Thickness Variation		%(±)		3				
Density		g/cc		0.905				
Average substance		g/m²		18.1	19.9	22.6	27.1	45.2
Kinetic COF	F-F		D-1894	0.20 - 0.30				
Yield		m²/Kg	D-4321	55.2	50.3	44.2	36.9	22.1
		in²/lb		38844	35330	31109	25944	15555
Optical Data								
Gloss (45°)		Gardner	D-2457	> 85				
Haze		%	D-1003	2.0 - 4.0				
Mechanical Data								
Tensile Strength	MD	kg/cm²	D-882	1200 - 1500				
	TD			2400 - 2800				
Elongation	MD	%	D-882	130 - 180				
	TD			30 - 80				
Thermal Data								
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	3.0 - 5.0				
	TD			1.0 - 3.0				
Seal Initiation Temperature		°C / °F	CTM	105 / 221				
Heat Seal Strength(135 °C /275 °F, 2.0 bar-0.5 sec.)		g/25mm	CTM	425	450	475	500	570
Barrier Data								
MVTR (38°C, 90% RH)		g/m²/day	F-1249	<7.0	<6.0	<5.5	<5.0	<3.0
MVTR (100 °F,90%RH)		g/100 in²/day	F-1249	<0.45	<0.38	<0.35	<0.32	<0.19

CTM : Cosmo Test Method MD : Machine Direction TD : Transverse Direction LTS : Low Temperature Seal

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

Storage condition : Storage temperature to be maintained 25 Deg.C (+/-5 Deg C) & relative humidity 55% (+/-5%) to avoid accelerated reduction of surface treatment level.

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