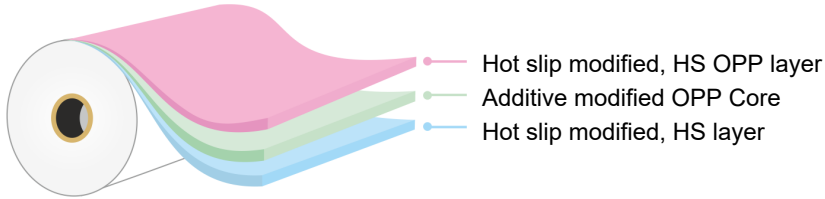


# Overwrap Film Medium Shrink

## HST-0(HSR)

### Structure



### Description

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

### Features

- Excellent transparency and clarity
- Excellent machinability on high-speed machines
- High shrinkage for tight packs
- High aroma & moisture barrier
- Good stiffness

### Applications

- Cigarette over-wrap

### Typical values

Properties	Ref.	Units	ASTM# / Test Method	HST-0(HSR)		
<b>Physical Data</b>						
Average Thickness		Micron	D-374-C	20	22	25
		Gauge		80	88	100
		Mils		0.8	0.9	1.0
Thickness Variation		%(±)		3		
Density		g/cc		0.905		
Average substance		g/m <sup>2</sup>		18.1	19.9	22.6
Kinetic COF	F-F		D-1894	0.20-0.30		
Yield		m <sup>2</sup> /Kg	D-4321	55.2	50.2	44.2
		in <sup>2</sup> /lb		38809	35294	31075
<b>Optical Data</b>						
Gloss (45°)		Gardner	D-2457	>88		
Haze		%	D-1003	1.5-2.2		
<b>Mechanical Data</b>						
Tensile Strength	MD	kg/cm <sup>2</sup>	D-882	1300-1600		
	TD			2400-2800		
Elongation	MD	%	D-882	100-170		
	TD			30-70		
<b>Thermal Data</b>						
Shrinkage (120°C/248 °F,5 min)	MD	%	D-1204	4.0-6.0		
	TD			4.0-6.0		
Seal Initiation Temperature		°C / °F	CTM	105 / 221		
Heat Seal Strength (min.)		g/25 mm	CTM	425		

CTM : Cosmo Test Method

MD : Machine Direction

TD : Transverse Direction

**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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