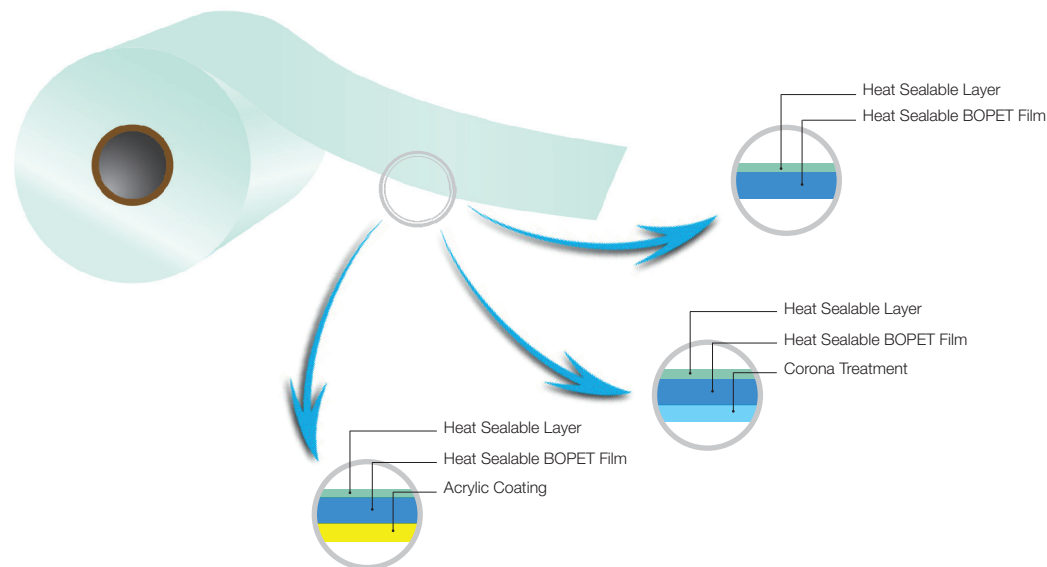


PETLAR-HS is a Biaxially Oriented Transparent Polyester Film with heat seal layer (co-extruded with specialty polymer) on one side. The modified surface provides excellent sealing to itself as well as other substrates such as A-PET, C-PET, PVDC and PVC but does not seal against PE, PS & PP. The film possesses good mechanical, surface & thermal properties and ensures excellent processability. PETLAR-HS grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 12 to 36 Microns (48-144 Gauge).



APPLICATIONS

Single substrate sealing applications

Products requiring high aroma barrier like mosquito mats, perfumed tissues, etc

See-through lid for preformed PET trays

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter								
Thickness (Micron)		12	15	20	25	30	36	
Length (Meters)	6000			450	475	540	570	Approx Outer Roll Diameter (mm)
	9000		470	540	560	650	700	
	12000		540	615	650	740	795	
	18000	580	645	749				
	24000	660	740					
	36000	795						
	42000	850						
Width Range		400-2500 mm / 15-99 Inch						
<i>Customised specs also available on request</i>								

Standard Roll Presentation - 3 Inch / 76 mm Core Diameter								
Thickness (Micron)		12	15	20	25	30	36	
Length (Meters)	3000						400	Approx Outer Roll Diameter (mm)
	6000			425	475	515	550	
	9000	400	450	515	585			
	12000	455	515	590				
	18000	560						
Width Range		400-1500 mm / 15-59 Inch						
<i>Customised specs also available on request</i>								

Typical values

Properties	Unit	Test Method	Product Code						
			HS0120	HS0150	HS0200	HS0250	HS0300	HS0360	
GENERAL									
Nominal Thickness	Micron Gauge	SRF Method	12 48	15 60	20 80	25 100	30 120	36 144	
Yield	m ² /kg in ² /lb		60 42200	48 33700	36 25200	29 20200	24 16800	20 14000	
MECHANICAL									
Tensile Strength (min)	MD	kg/cm ² kpsi	ASTM D 882	1800 26	1800 26	1800 26	1800 26	1800 26	1800 26
	TD	kg/cm ² kpsi		1900 27	1900 27	1900 27	1900 27	1900 27	1900 27
Elongation at Break (min)	MD	%	ASTM D 882	120	120	120	120	120	125
	TD			110	110	110	110	110	115
SURFACE									
Coefficient of Friction	Static	-	ASTM D 1894	0.50	0.50	0.50	0.45	0.45	0.45
	Dynamic	-		0.45	0.45	0.45	0.40	0.40	0.40
Surface Energy	Plain Side	Dyne/cm	ASTM D 2578	44	44	44	44	44	44
	Corona Side			54+	54+	54+	54+	54+	54+
	Acrylic Side			42	42	42	42	42	42
THERMAL									
Shrinkage (150°C, 30 min)	MD	%	ASTM D 1204	2.2	2.2	2.2	2.2	2.2	2.2
	TD			0.4	0.4	0.4	0.4	0.4	0.4
OPTICAL									
Haze	%	ASTM D 1003	3.0	3.0	3.0	4.0	4.0	5.0	
Transmittance			90	90	90	90	90	85	
BARRIER									
WVTR (38°C & 90% RH)	gm/m ² /day gm/100in ² /day	ASTM F 1249	40	35	30	25	25	20	
			2.5	2.2	1.9	1.6	1.6	1.3	
OTR (23°C & 0% RH)	cc/m ² /day cc/100in ² /day	ASTM D 3985	130	110	90	70	70	50	
			8.1	6.9	5.6	4.4	4.4	3.1	
Seal Strength (120°C / 2.8 Bar / 2 Sec)	Sealable/Sealable Side	ASTM F 1249	400	450	500	550	600	650	

MD – Machine Direction | TD – Transverse Direction

Notes: 1) Heat Sealable side is available wound inside/outside of the roll - customer to specify accordingly; 2) Above properties can be modified to suit customer's requirement; 3) Unless otherwise specified, the values given above are nominal.