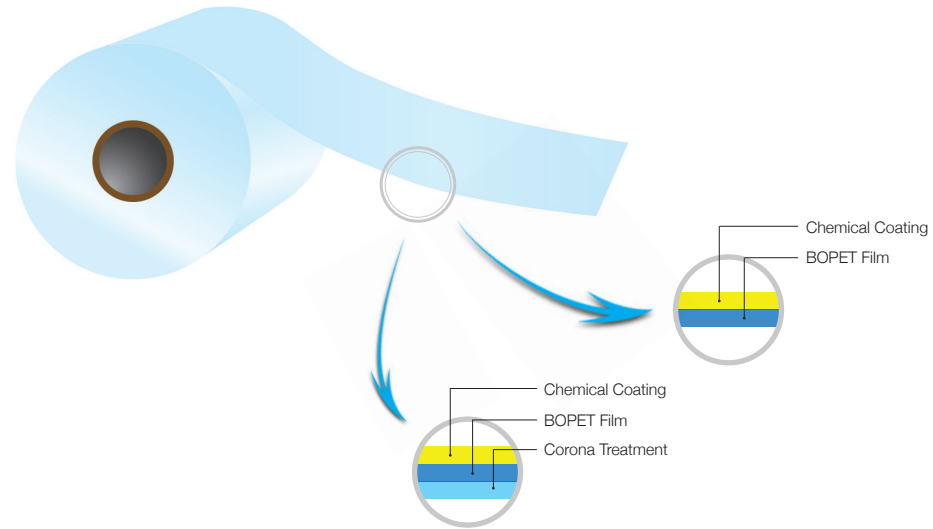


Chemical Coated Polyester Film

PETLAR-HC

PETLAR-HC grade is a Biaxially Oriented Transparent Polyester Film with one side chemical coating. The coated surface gives excellent adhesion to a wide range of inks & laminating adhesives thus improving the bond strength of flexible laminate. It also acts as an excellent base film for metallization. The other side of film surface can also be corona treated. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR-HC grade conforms latest EC directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 75 Microns (32-300 Gauge).



APPLICATIONS

- Flexible Packaging
Printing, Coating, Lamination
- Hot Filled Applications like Tomato Ketchup, Juices, etc
- Frozen Food Packaging
- Metallizing

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter									
Thickness (Micron)		8	10	12	23	36	50	75	Approx Outer Roll Diameter (mm)
Length (Meters)	3000						495	590	
	6000				475	570	675	810	
	9000				560	700			
	12000				650	795			
	18000	485	535	580					
	24000	550	610	660					
	36000	660	735	795					
	42000		800	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)		10	12	23	36	50	Approx Outer Roll Diameter (mm)
Length (Meters)	3000				400	460	
	6000			450			
	9000	370	400	545			
	12000	425	455				
	18000	515	560				
Width Range		400-1500 mm / 15-59 Inch					
<i>Customised specs also available on request</i>							

SRF Limited, Packaging Films Business

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Indore: Plot No C 1-8, C 21-30, Indore Special Economic Zone, Pithampur - 454775, Distt. Dhar, Madhya Pradesh, India.

Kashipur: Plot No -12, Rampura, Ramnagar Road, Kashipur-244713, Distt. Udham Singh Nagar, Uttaranchal, India.

Rayong: D-20, Hemraj Eastern Seaboard Industrial Estate, 112, M003, Tambon Tasith, Amphur Pluakdaeng, Rayong Province 21140, Thailand.



Chemical Coated Polyester Film

PETLAR-HC

Properties	Unit	Test Method	Product Code												
			HC0080	HC0090	HC0100	HC0110	HC0120	HC0150	HC0190	HC0230	HC0300	HC0360	HC0500	HC0750	
GENERAL															
Nominal Thickness	Micron	SRF Method	08	09	10	11	12	15	19	23	30	36	50	75	
	Gauge		32	36	40	44	48	60	76	92	120	144	200	300	
Yield	m ² /kg		90	80	72	65	60	48	38	31	24	20	14	9	
	in ² /lb		63300	56300	50600	46000	42200	33700	26600	22000	16800	14000	10100	6700	
MECHANICAL															
Tensile Strength (min)	MD	kg/cm ²	2000	2000	2000	2000	2000	2000	2000	2000	1900	1900	1900	1900	1800
		kpsi	29	29	29	29	29	29	29	29	27	27	27	27	26
	TD	kg/cm ²	2100	2100	2100	2100	2100	2100	2100	2100	2000	2000	1900	1900	1700
		kpsi	30	30	30	30	30	30	30	30	29	29	27	27	24
Elongation at Break (min)	MD	%	110	110	110	110	110	110	110	110	120	120	125	125	130
	TD	%	100	100	100	100	100	100	100	100	110	110	115	115	120
SURFACE															
Coefficient of Friction	Static	-	ASTM D 1894	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.40
	Dynamic	-		0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.40	0.40	0.40	0.40
Surface Energy	Plain Side	Dyne/cm	ASTM D 2578	44	44	44	44	44	44	44	44	44	44	44	44
	Corona Side			52+	52+	52+	52+	52+	52+	52+	52+	52+	52+	52+	52+
	Chemical Side			58+	58+	58+	58+	58+	58+	58+	58+	58+	58+	58+	58+
THERMAL															
Shrinkage (150°C, 30 min)	MD	%	ASTM D 1204	2.2	2.2	2.2	2.2	2.2	2.2	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	0.4	0.4	0.4	0.4	0.4	0.4
OPTICAL															
Haze	%	ASTM D 1003	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	5.0	6.0	7.0
Transmittance			90	90	90	90	90	90	90	90	90	90	90	85	85
BARRIER															
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	<60	<50	<40	<40	<40	<35	<30	<25	<25	<20	<15	<10	
	gm/100in ² /day		<3.8	<3.2	<2.5	<2.5	<2.5	<2.2	<1.9	<1.6	<1.6	<1.3	<0.9	<0.6	
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985	<140	<135	<130	<130	<130	<110	<90	<70	<70	<50	<40	<30	
	cc/100in ² /day		<8.8	<8.4	<8.1	<8.1	<8.1	<6.9	<5.6	<4.4	<4.4	<3.1	<2.5	<1.9	

MD – Machine Direction | TD – Transverse Direction

Notes: 1) Chemical coated 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 stated, the above values are nominal.

DISCLAIMER

The information given above is known to the best of our knowledge and experience. Some of the properties can be changed as a result of supplier's effort to improve upon the quality of production efficiency of the subject. The information is believed to be the true and accurate and is not intended to violate any statutory condition or right of third party. SRF makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for the readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.