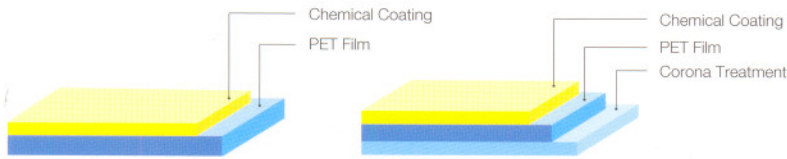


PETLAR HC grade is a Biaxially Oriented Transparent Polyester Film with one side chemical coating. The coated surface gives excellent adhesion to a wide range of inks & laminating adhesives thus improving the bond strength of flexible laminate. It also acts as an excellent base film for metallization. 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 to EC 10/2011 directives, REACH specifications and US FDA regulations for food contact applications. This grade is available in thickness range of 8 to 50 Micron (32-200 Gauge).

APPLICATIONS



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

Properties	Unit	Test Method	Product Code						
			HC0080	HC0100	HC0120	HC0230	HC0360	HC0500	
GENERAL									
Nominal Thickness	Micron		8	10	12	23	36	50	
Yield	Gauge	SRF Method	32	40	48	92	144	200	
	m ² /kg		90	71	60	30	20	14.3	
	in ² /lb		62200	49000	41400	20700	13800	9800	
MECHANICAL									
Tensile Strength (min)	MD	ASTM D 882	1900	1900	1900	1900	1900	1900	
			kpsi	27	27	27	27	27	27
TD	1900		1900	1900	1900	1800	1800		
	kpsi		27	27	27	27	26	26	
Elongation at Break (min)	MD	ASTM D 882	100	100	100	110	110	110	
	TD		%	90	90	90	100	100	100
SURFACE									
Coefficient of Friction	Static	ASTM D 1894	0.55	0.55	0.55	0.50	0.50	0.50	
	Dynamic		0.50	0.50	0.50	0.45	0.45	0.45	
Surface Energy	Chemical Side	ASTM D 2578	58	58	58	58	58	58	
	Plain Side		Dyne/cm	44	44	44	44	44	44
	Corona Side		52+	52+	52+	52+	52+	52+	
THERMAL									
Shrinkage (150°C, 30 min)	MD	ASTM D 1204	2.20	2.20	2.20	2.20	2.20	2.20	
	TD		%	0.40	0.40	0.40	0.40	0.40	0.40
OPTICAL									
Haze	%	ASTM D 1003	3.5	3.5	3.5	4.0	5.0	6.0	
			90	90	90	90	90	85	
BARRIER									
WVTR (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	<60	<50	<40	<25	<17	<10	
	gm/100in ² /day		<3.8	<3.2	<2.5	<1.6	<1.1	<0.6	
OTR (23°C & 0% RH)	cc/m ² /day	ASTM D 3985	<140	<120	<100	<70	<50	<40	
	cc/100in ² /day		<8.8	<7.6	<6.3	<4.4	<3.2	<2.5	

- 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 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.



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