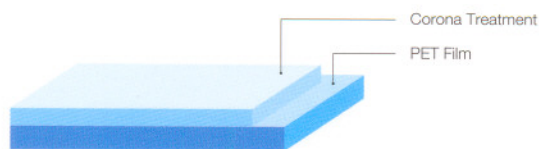


PETLAR PR grade is a Biaxially Oriented Transparent Polyester Film with one side corona treatment. The treated surface has higher surface energy which provides excellent adhesion to printing inks & laminating adhesives. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR PR 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
- Flexible Ducting

Properties	Unit	Test Method	Product Code					
			PR0080	PR0100	PR0120	PR0230	PR0360	PR0500
<b>GENERAL</b>								
Nominal Thickness	Micron	SRF Method	8	10	12	23	36	50
Gauge			32	40	48	92	144	200
Yield	m <sup>2</sup> /kg in <sup>2</sup> /lb		90 62200	71 49000	60 41400	30 20700	20 13800	14.3 9800
<b>MECHANICAL</b>								
Tensile Strength (min)		ASTM D 882						
MD	kg/cm <sup>2</sup> kpsi		1900 27	1900 27	1900 27	1900 27	1900 27	1900 27
TD	kg/cm <sup>2</sup> kpsi		1900 27	1900 27	1900 27	1900 27	1800 26	1800 26
Elongation at Break (min)		ASTM D 882						
MD	%		100	100	100	110	110	110
TD	%	90	90	90	100	100	100	
<b>SURFACE</b>								
Coefficient of Friction		ASTM D 1894						
Static	-		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		ASTM D 2578						
Plain Side	Dyne/cm		44	44	44	44	44	44
Corona Side		52+	52+	52+	52+	52+	52+	
<b>THERMAL</b>								
Shrinkage (150°C, 30 min)		ASTM D 1204						
MD	%		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	
<b>OPTICAL</b>								
Haze		ASTM D 1003	3.5	3.5	3.5	4.0	5.0	6.0
Transmittance	%		90	90	90	90	90	85
<b>BARRIER</b>								
WVTR (38°C & 90% RH)	gm/m <sup>2</sup> /day gm/100in <sup>2</sup> /day	ASTM F 1249	<60 <3.8	<50 <3.2	<40 <2.5	<25 <1.6	<17 <1.1	<10 <0.6
OTR (23°C & 0% RH)	cc/m <sup>2</sup> /day cc/100in <sup>2</sup> /day		ASTM D 3985	<140 <8.8	<120 <7.6	<100 <6.3	<70 <4.4	<50 <3.2

- Notes:
- 1) Corona treated 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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