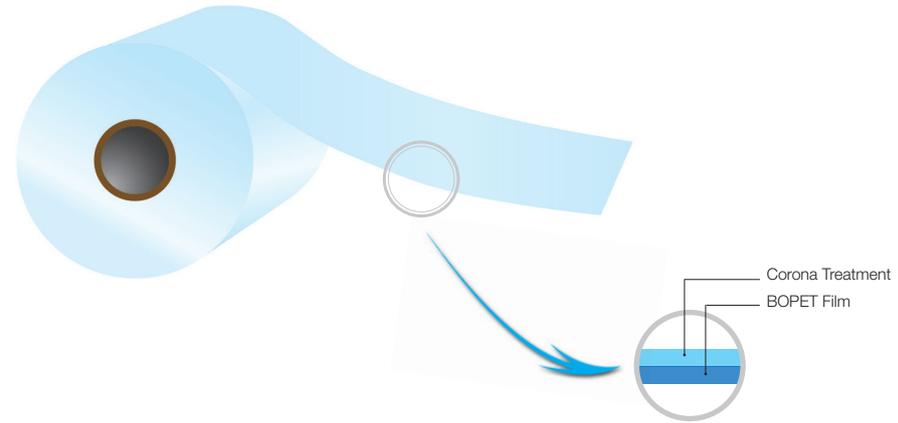


PETLAR-PR grade is a Biaxially Oriented Transparent Polyester Film with one side corona treatment. The treated surface has higher surface energy which provides excellent adhesion to printing inks & laminating adhesives. The film possesses good mechanical, surface & thermal properties and ensures excellent processability. PETLAR-PR grade conforms 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*
- Metallizing
- Flexible Air Ducts & Air Connectors  
(UL Certified)

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>							

**Pilcher Hamilton Corporation**  
 850 South Buncombe Road, Greer, SC 29650  
 864-877-7900 ext. 200 - [info@pilcherhamilton.com](mailto:info@pilcherhamilton.com)



Typical values

Properties	Unit	Test Method	Product Code													
			PR0080	PR0090	PR0100	PR0110	PR0120	PR0150	PR0190	PR0230	PR0300	PR0360	PR0500	PR0750		
<b>GENERAL</b>																
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 <sup>2</sup> /kg	SRF Method	90	80	72	65	60	48	38	31	24	20	14	9		
	in <sup>2</sup> /lb		63300	56300	50600	46000	42200	33700	26600	22000	16800	14000	10100	6700		
<b>MECHANICAL</b>																
Tensile Strength (min)	MD	kg/cm <sup>2</sup>	ASTM D 882	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 <sup>2</sup>		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	%	ASTM D 882	110	110	110	110	110	110	110	120	120	125	125	130	
	TD			100	100	100	100	100	100	100	110	110	115	115	120	
<b>SURFACE</b>																
Coefficient of Friction	Static	-	ASTM D 1894	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.50	0.50	0.50	0.50	0.45	
	Dynamic			0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.45	0.45	0.45	0.45	0.40
Surface Energy	Plain Side	Dyne/cm	ASTM D 2578	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+	
<b>THERMAL</b>																
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	0.4
<b>OPTICAL</b>																
Haze	%	ASTM D 1003	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	4.0	4.0	5.0	6.0	7.0	
Transmittance			90	90	90	90	90	90	90	90	90	90	90	85	85	80
<b>BARRIER</b>																
WVTR (38°C & 90% RH)	gm/m <sup>2</sup> /day	ASTM F 1249	60	50	40	40	40	35	30	25	25	20	15	10		
	gm/100in <sup>2</sup> /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 <sup>2</sup> /day	ASTM D 3985	140	135	130	130	130	110	90	70	70	50	40	30		
	cc/100in <sup>2</sup> /day		8.8	8.4	8.1	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) 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 specified, the values given above are nominal.

Version\_06/2016

#### DISCLAIMER

The information contained herein is to be used only as a guideline for using PETLAR film. The specifications and characteristics mentioned are based on reliable test procedures. Users of this film should make independent assessment by their own for its suitability to their end use. SRF Ltd does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.