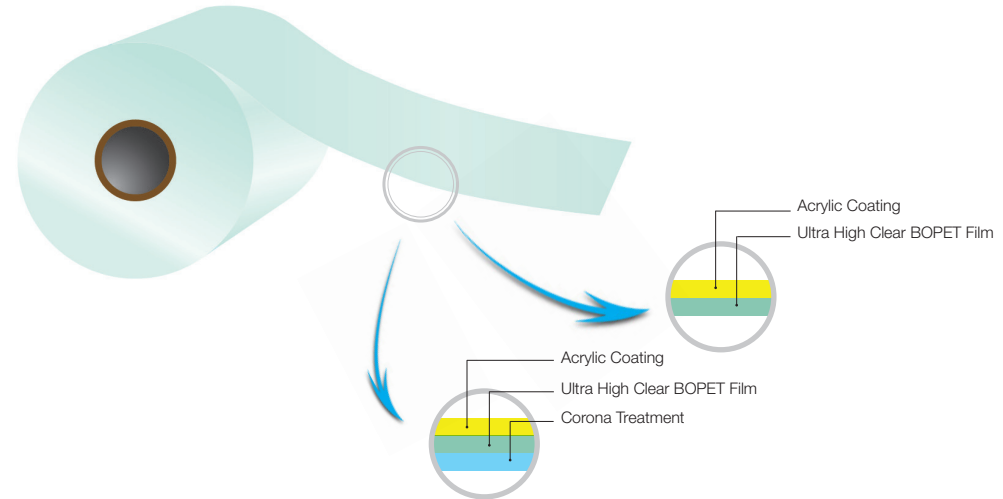


PETLAR-PUH grade is a Biaxially Oriented Optically Ultra High Clear Polyester Film with acrylic coating. It is characterized by very high transparency and good slip property. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR-PUH 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

- Flexible Packaging
- Holographics
- Metallizing
- Lamination
- Glitters
- Labels
- Photosensitive Coatings

Standard Roll Presentation - 6 Inch / 152 mm Core Diameter							
Thickness (Micron)	12	19	23	30	36		
Length (Meters)	6000		440	475	540	570	Approx Outer Roll Diameter (mm)
	9000		525	560	650	700	
	12000		600	650	740	795	
	18000	580	715				
	24000	660					
	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	19	23	30	36		
Length (Meters)	3000					400	Approx Outer Roll Diameter (mm)
	6000		415	450	515		
	9000	400	500	545			
	12000	455	580				
	18000	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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**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.**



Typical values

Properties	Unit	Test Method	Product Code					
			PUH0120	PUH0190	PUH0230	PUH0300	PUH0360	
<b>GENERAL</b>								
Nominal Thickness	Micron	SRF Method	12	19	23	30	36	
	Gauge		48	76	92	120	144	
Yield	m <sup>2</sup> /kg		60	38	31	24	20	
	in <sup>2</sup> /lb		42200	26600	22000	16800	14000	
<b>MECHANICAL</b>								
Tensile Strength (min)	MD	kg/cm <sup>2</sup> kpsi	ASTM D 882	2000	2000	1900	1900	1900
				29	29	27	27	27
	TD	kg/cm <sup>2</sup> kpsi		2100	2100	2000	2000	1900
				30	30	29	29	27
Elongation at Break (min)	MD	%	ASTM D 882	110	110	120	120	125
	TD			100	100	110	110	115
<b>SURFACE</b>								
Coefficient of Friction	Static	-	ASTM D 1894	0.50	0.50	0.45	0.45	0.40
	Dynamic	-		0.45	0.45	0.40	0.40	0.35
Surface Energy	Plain Side	Dyne/cm	ASTM D 2578	44	44	44	44	44
	Corona Side			52+	52+	52+	52+	52+
	Acrylic Side			42	42	42	42	42
<b>THERMAL</b>								
Shrinkage (150°C, 30 min)	MD	%	ASTM D 1204	2.2	2.2	2.2	2.2	2.2
	TD			0.4	0.4	0.4	0.4	0.4
<b>OPTICAL</b>								
Haze		%	ASTM D 1003	1.0	1.0	1.0	1.0	1.0
Transmittance				90	90	90	90	90
<b>BARRIER</b>								
WVTR (38°C & 90% RH)	gm/m <sup>2</sup> /day	ASTM F 1249	40	35	25	25	20	
	gm/100in <sup>2</sup> /day		2.5	2.2	1.6	1.6	1.3	
OTR (23°C & 0% RH)	cc/m <sup>2</sup> /day	ASTM D 3985	130	110	70	70	50	
	cc/100in <sup>2</sup> /day		8.1	6.9	4.4	4.4	3.1	

MD – Machine Direction | TD – Transverse Direction

Notes: 1) Above properties can be modified to suit customer's requirement; 2) Unless otherwise specified, the values given above are nominal.

## 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.