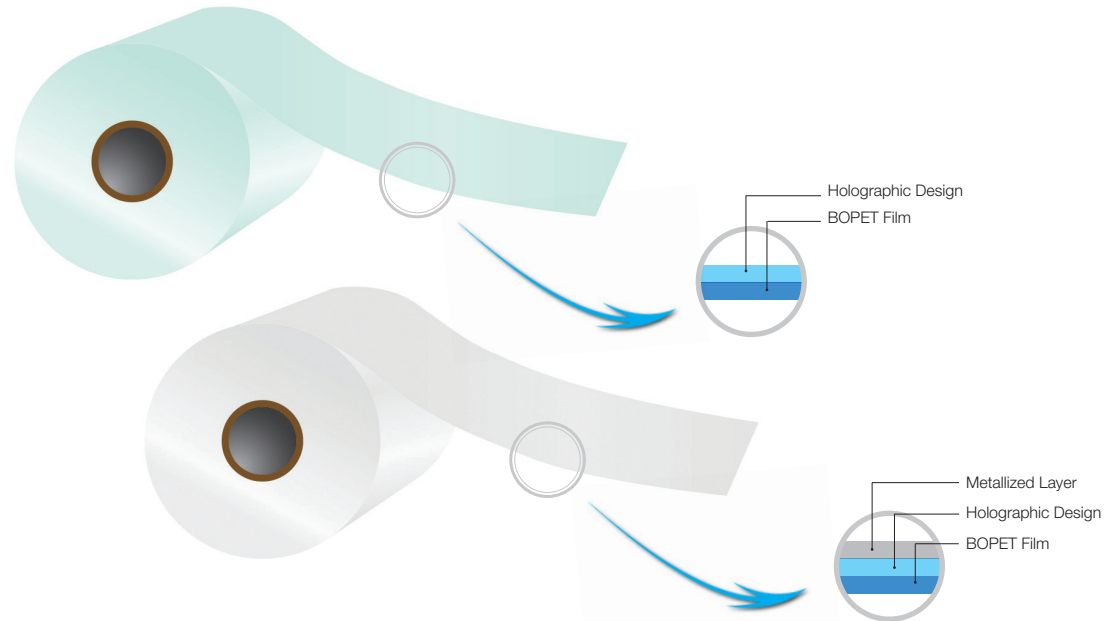


PETLAR HD (Transparent) and HDM (Metallized) grades are Biaxially Oriented Soft Embossed Holographic Polyester Films with excellent printable surface and high gloss. These are available in various standard designs. This film is an ideal substrate for brand protection and preventing duplication. The film possesses good mechanical, surface & thermal properties and ensures excellent processability.

PETLAR HD and HDM grades conform to the latest EC directives, REACH specifications and US FDA regulations for food contact applications. Available designs include various options in Transparent, Metallized and Seamless.

(Designs available on request)



APPLICATIONS

- Flexible Packaging
- Carton Lamination
- Gift Wrapping & sequins
- Decorative & security
- High end packaging like, perfumes, cosmetics etc

Standard Roll Presentation			
Core ID	6 Inch/152MM	3 Inch/76MM	
Thickness (Micron)	12		
Length (Meters)	9000		400
	12000		455
	18000	580	560
	24000	660	
	36000	795	
	42000	850	
Width Range	400-2500 mm / 15-99 Inch		
<i>Customised specs also available on request</i>			

SRF Limited, Packaging Films Business

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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	
			HD0120	HDM0120
GENERAL				
Nominal Thickness	Micron Gauge	SRF Method	12	12
Yield	m ² /kg in ² /lb		48	48
			60	60
		42000	42000	
MECHANICAL				
Tensile Strength (min)	MD	kg/cm ² (kpsi)	2000	2000
	TD	kg/cm ² (kpsi)	2100	2100
Elongation at Break (min)	MD	%	110	110
	TD		100	100
SURFACE				
Coefficient of Friction	Static	-	0.50	0.50
	Dynamic	-	0.45	0.45
Surface Energy	Plain Side	Dyne/cm	44	44
	Corona Side		52+	52+
THERMAL				
Shrinkage (150°C, 30 min)	MD	%	1.6	1.6
	TD		0.0	0.0
OPTICAL & BARRIER				
Haze	%	ASTM D 1003	5.0	-
Transmittance			85	-
Optical Density *	-	SRF Method	-	2.2
WVTR (38°C & 90% RH)	gm/m ² /day lb/100in ² /day	ASTM F 1249	40	1.5
			2.5	0.09
OTR (23°C & 0% RH)	cc/m ² /day cc/100in ² /day	ASTM D 3985	130	1.5
			8.1	0.09

* As measured on Tobias Densitometer MD – Machine Direction | TD – Transverse Direction

Notes: 1) Metallized side is available wound inside/outside of the roll - customer to specify accordingly; 2) Metallization with Plasma Treatment for uniform and enhanced metal adhesion is available; 3) Above properties can be modified to suit customer's requirement; 4) 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.