

HS(P)

Heat Sealable Pearlized Film



DESCRIPTION :

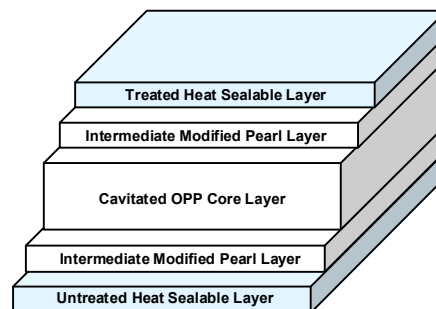
Gulf Pack HS(P) is a co-extruded, bi-axially oriented polypropylene film, designed with aesthetic white pearlized appearance. Both sides heat sealable, treated to suit printing, coating and lamination on a wide range of packaging application.

PRODUCT FEATURES :

High yield due to lower density.
 Aesthetic pearl luster appearance.
 White layer eliminates use of white ink in multi-color printing.
 Good opacity.
 Good antistatic properties.
 Good dead fold properties.

APPLICATIONS :

Printing and lamination, pouching application, packaging confectioneries and overwrap.



PROPERTIES		UNIT	TYPICAL VALUES				TEST METHOD.
PHYSICAL	Thickness	Microns	25	30	35	40	ASTM D 374
		Gauge	100	120	140	160	
	Grammage	g/m ²	16.72	20.10	23.45	26.80	*GPIM
		lbs/ream	10.3	12.3	14.4	16.5	
	Yield	m ² /kg	59.70	49.75	42.64	37.31	
		in ² /lb	40,300	33,600	28,800	25,200	
	Coefficient of Friction (Film/Film)		0.40	0.40	0.40	0.40	ASTM D 1894
	Surface Tension (Treated Side)	dynes/cm	38	38	38	38	ASTM D 2578
OPTICAL	Opacity	%	65	66	68	70	ASTM D589-97
	Gloss (45°)		80				ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	8				ASTM D 882
		*TD	16				
		MD	11,376				
		TD	22,752				
	Elongation at Break	MD	135				ASTM D 882
		TD	40				
THERMAL	Thermal Shrinkage	MD	< 4.0				GPIM (120°C (248°F), 5 min, air)
		TD	< 2.0				
	Heat Seal Range	°C (°F)	105 – 140 (221 – 284)				GPIM
	Heat Seal Strength (Film/Film)	g/15mm	300				GPIM (130°C, 1bar, 1sec)
lb/0.59in		0.66				GPIM (266°F, 14.5psi, 1 sec)	
BARRIER	Water Vapor Permeability (W.V.T.R.)	g/m ² /24h	6.0	5.0	4.0	3.5	ASTM F 1249 (38°C / 90% RH)
		g/100in ² /24h	0.38	0.32	0.26	0.22	

* GPIM – Gulf Pack Internal Method *MD – Machine Direction *TD – Transversal Direction

Gulf Pack HS(P) films comply with the EU Regulation 10/2011/CE and USA FDA Code of federal regulations CFR21 section 177.1520 (c) 1.1 and is suitable for use in packaging, transporting or holding foods.

The information contained in this technical leaflet is to the best of our knowledge & experience. Since the conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee.

Bi-axially oriented polypropylene film aged with time and will exhibit deterioration of properties if it is not stored in a dry environment at a temperature 30°C or below. We highly recommend our customer to use recommended storage condition and consume product before 6 months from date of production in our plant.

Detail advice regarding other specific application of **Gulf Pack HS(P)** and other films in the Gulf Pack range is available upon request.