

PLST

Pearlized Low SIT Film



DESCRIPTION :

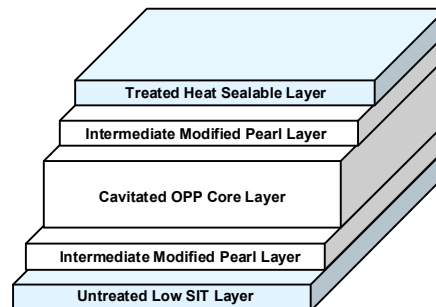
Gulf Pack PLST is a co-extruded, bi-axially oriented heat sealable polypropylene film, designed with aesthetic white pearlized appearance with low seal initiation temperature properties.

PRODUCT FEATURES :

High yield due to lower density.
 Low sealing threshold (90°C).
 White pearl appearance eliminates use of white ink in multi-color printing.
 Good opacity & antistatic properties.
 Good dead fold properties.

APPLICATIONS :

Printing, coating and lamination on a wide range of substrates for high speed packaging application.



PROPERTIES		UNIT	TYPICAL VALUES			TEST METHOD.
PHYSICAL	Thickness	Microns	30	35	40	ASTM D 374
		Gauge	120	140	160	
	Grammage	g/m ²	21.0	24.50	28.0	*GPIM
		lbs/ream	12.3	14.4	16.5	
	Yield	m ² /kg	47.62	40.82	35.71	
		in ² /lb	33,600	28,800	25,200	
Coefficient of Friction (Film/Film)			0.40	0.40	0.40	ASTM D 1894
Surface Tension (Treated Side)		dynes/cm	38	38	38	ASTM D 2578
OPTICAL	Opacity	%	66	68	70	ASTM D589-97
	Gloss (45°)			45		ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	kg/mm ²	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)	90 – 140 (194 – 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	7.0	6.8	6.2	ASTM F 1249 (38°C / 90% RH)
		g/100in ² /24h	0.46	0.44	0.40	

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

Gulf Pack PLST 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 maybe 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 PLST** and other films in the Gulf Pack range is available upon request.