

HF300

White Voided Heat Sealable Film ($\rho = 0.67$)



WHITE VOIDED BOPP FILM

DESCRIPTION :

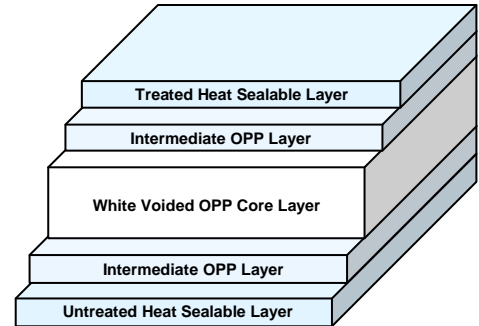
Gulf Pack HF300 is a white voided film with both sides heat sealable; treated to suit printing, coating and lamination on a wide range of packaging applications.

PRODUCT FEATURES :

- High yield due to lower density
- White appearance eliminates use of White ink in multi-color printing
- Good opacity
- Good antistatic properties
- Good dead fold properties

APPLICATIONS :

- Printing and lamination, pouch application, packaging confectioneries and overwrap



PROPERTIES		UNIT	TYPICAL VALUES						TEST METHOD.
PHYSICAL	Thickness	Microns	20	25	30	35	40	55	ASTM D 374
		Gauge	80	100	120	140	160	220	
	Grammage	g/m ²	13.4	16.72	20.10	23.45	26.80	33.5	*GPIM
		lbs/ream	8.24	10.3	12.3	14.4	16.5	20.65	
	Yield	m ² /kg	74.63	59.70	49.75	42.64	37.31	29.85	
		in ² /lb	50,200	40,300	33,600	28,800	25,200	20,400	
	Density	g/cc	0.67						
Coefficient of Friction (Film/Film)		0.40	0.40	0.40	0.40	0.40	0.40	ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38	38	38	38	38	38	ASTM D 2578	
OPTICAL	Opacity	%	64	65	66	68	70	77	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	6.9 - 7.1			6.3 – 6.6			ASTM F 1249 (38°C / 90% RH)
		g/100in ² /24h	0.44 – 0.45			0.40 – 0.42			

* GPIM – Gulf Pack Internal Method

*MD – Machine Direction

*TD – Transverse Direction

Gulf Pack HF300 films comply with EU Regulation 10/2011/EC and USA FDA Code of Federal Regulations CFR21 section 177.1520 (c) 1.1 and are suitable for use in packaging, carrying and transporting foodstuffs.

The information contained in this technical leaflet illustrates typical values only and are to the best of our knowledge. Since the conditions under which our films may be used are beyond our control, such values are declared without warranty or guarantee.

Bi-axially oriented polypropylene films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advise our customers to use recommended storage conditions and consume products before 6 months from date of production in our plant.

Gulf Pack HF300 standard surface treatment location is on the outer side (O); other treatment preference can be arranged upon agreement with the sales representative before order processing.

Detailed advice regarding other specific applications of **Gulf Pack HF300** and other films in the Gulf Pack range is available upon request.