

HF304

White Voided Ultra Low SIT Film (75°C)



WHITE VOIDED BOPP FILM

DESCRIPTION :

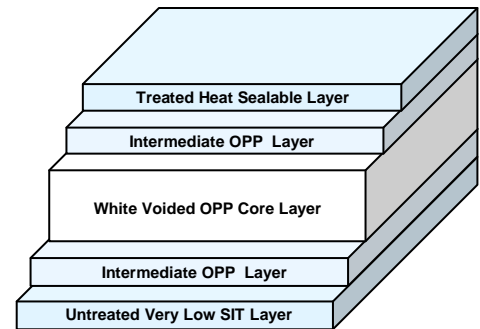
Gulf Pack HF304 is a white voided heat sealable film, designed with aesthetic white appearance with Ultra low seal initiation temperature (SIT) properties.

PRODUCT FEATURES :

- High yield due to lower density
- Untreated side with very low sealing threshold (75°C).
- White 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.
- Rotogravure and flexographic printing.



PROPERTIES		UNIT	TYPICAL VALUES					TEST METHOD.
PHYSICAL	Thickness	Microns	25	28	30	35	40	ASTM D 374
		Gauge	100	112	120	140	160	
	Grammage	g/m ²	17.5	19.6	21.0	24.5	28.0	*GPIM
		lbs/ream	10.76	12.05	12.91	15.06	17.21	
	Yield	m ² /kg	57.14	51.02	47.62	40.82	35.71	
		in ² /lb	40,257	35,945	33,550	28,800	25,200	
	Density	g/cc	0.70					
Coefficient of Friction (Film/Film)		0.40					ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38					ASTM D 2578	
OPTICAL	Opacity	%	66	66	68	70	75	ASTM D589-97
	Gloss (45°)		75					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)	75 – 140 (167 – 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	7.8	7.5	7.0	5.5	4.8	ASTM F 1249 (38°C / 90% RH)
		g/100in ² /24h	0.50	0.48	0.46	0.44	0.40	

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

Gulf Pack HF304 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 HF304 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 HF304** and other films in the Gulf Pack range is available upon request.