HF305

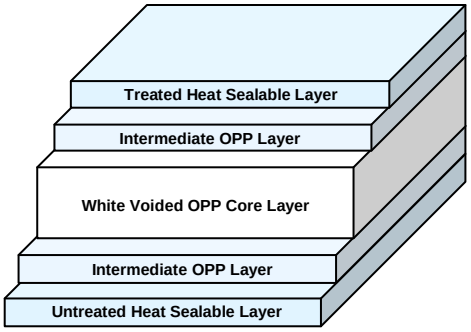
White Voided Slip Modified Heat Sealable Film ($\rho = 0.67$)

Gulf Pack
WHITE VOIDED BOPP FILM

DESCRIPTION :
Gulf Pack HF305 is a white voided Slip Modified film with both sides heat sealable; treated to suit printing, coating and lamination on a wide range of packaging

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
Excellent hot slip characteristic

APPLICATIONS :
Printing and lamination, pouch application, packaging confectioneries and overwrap
High speed packing machines



PROPERTIES			UNIT	TYPICAL VALUES				TEST METHOD.
PHYSICAL	Thickness		Microns	30	35	40	50	ASTM D 374
			Gauge	*120*	*140*	*160*	200	
	Grammage		g/m²	20.10	23.45	26.80	33.50	*GPIM
			lbs/ream	*12.3*	*14.4*	*16.5*	20.58	
	Yield		m²/kg	49.75	42.64	37.31	29.80	
			in²/lb	*35,010*	*30,000*	*26,200*	20,996	
	Density		g/cc	*0.67*				
	Coefficient of Friction (Film/Film)			0.25				ASTM D 1894
	Surface Tension (Treated Side)		dynes/cm	38				ASTM D 2578
OPTICAL	Opacity		%	70	74	77	80	ASTM D589-97
	Gloss (45°)			80				ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	kg/mm²	8				ASTM D 882
		*TD		16				
		MD	*psi*	*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/m²/24h	6.9 - 7.1		6.3 – 6.6		ASTM F 1249 (38°C / 90% RH)
			g/100in²/24h	*0.44 – 0.45*		*0.40 – 0.42*		

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

Gulf Pack HF305 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 HF305 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 HF305** and other films in the Gulf Pack range is available upon request.