

HF404

Solid White Heat Sealable Ultra Low SIT Film



SOLID WHITE BOPP FILM

DESCRIPTION :

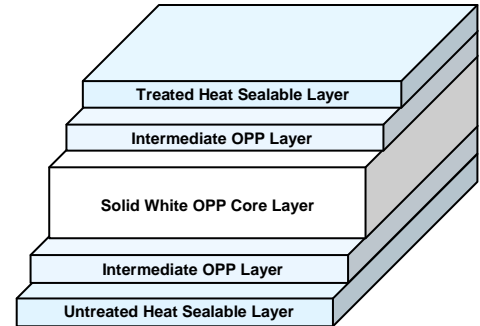
Gulf Pack HF404 is a solid white opaque film with ultra low seal initiation temperature (SIT) property of 75°C, treated one side.

PRODUCT FEATURES :

Untreated side with ultra low sealing property (SIT: 75 °C).
 Solid white finish an ideal background for multi-color printing design
 Good heat-sealing with hot tack properties
 Good opacity imparts better barrier to light
 Good resistance to oils, fats & chemicals
 Good antistatic and slip properties

APPLICATIONS :

Printing and lamination
 Packaging for bakeries, confectioneries, etc.
 Pouching and overwrap



PROPERTIES		UNIT	TYPICAL VALUES				TEST METHOD.
PHYSICAL	Thickness	Microns	20	30	35	40	ASTM D 374
		Gauge	80	120	140	160	
	Grammage	g/m ²	19.20	28.80	33.60	38.40	*GPIM
		lbs/ream	11.8	17.7	20.6	23.6	
	Yield	m ² /kg	52.08	34.72	29.76	26.04	
		in ² /lb	36,700	24,500	21,000	18,300	
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	%	63	65	68	70	ASTM D589-97
	Gloss (45°)		50				ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	13				ASTM D 882
		*TD	26				
		MD	18,486				
		TD	36,972				
	Elongation at Break	MD	165				ASTM D 882
		TD	50				
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	200	300	300	300	GPIM (130°C, 1bar, 1sec)
lb/0.59in		0.44	0.66	0.66	0.66	GPIM (266°F, 14.5psi, 1 sec)	

* GPIM – Gulf Pack Internal Method

*MD – Machine Direction

*TD – Transverse Direction

Gulf Pack HF404 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 HF404 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 HF404** and other films in the Gulf Pack range is available upon request.