

HF107

Heat Sealable Consistent Slip Property



TRANSPARENT BOPP FILM

DESCRIPTION:

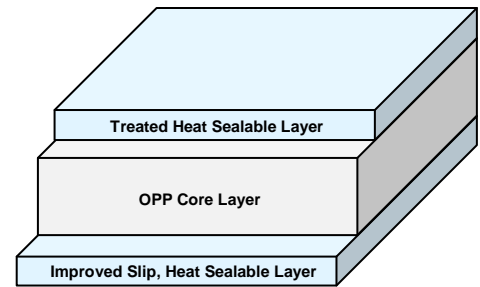
Gulf Pack HF107 is a transparent heat sealable film with consistent and higher slip characteristics.

PRODUCT FEATURES:

Consistent and improved slip properties
 Good mechanical properties
 Good hot slip properties

APPLICATIONS:

High speed packaging machine;
 single web structure
 General wrapping
 Rotogravure & Flexographic printing



PROPERTIES		UNIT	TYPICAL VALUES					TEST METHOD.
PHYSICAL	Thickness	Microns	20	25	30	35	40	ASTM D 374
		Gauge	80	100	120	140	160	
	Grammage	g/m ²	18.2	22.75	27.3	31.85	36.40	*GPIM
		lbs/ream	11.2	14.0	16.8	19.6	22.4	
	Yield	m ² /kg	54.95	43.96	36.63	31.40	27.48	
		in ² /lb	38,700	31,000	25,800	22,100	19,400	
Coefficient of Friction (Film/Film)		0.20					ASTM D 1894	
Surface Tension (Treated Side)	dynes/cm	38					ASTM D 2578	
OPTICAL	Haze	%	2.5	2.7	2.7	3.0	3.3	ASTM D 1003
	Gloss (45°)		85					ASTM D 2457
MECHANICAL	Tensile Strength at Break	*MD	15					ASTM D 882
		*TD	28					
		MD	21,330					
		TD	39,816					
	Elongation at Break	MD	170					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)	105 – 140 (221 – 284)					GPIM
	Heat Seal Strength (Film/Film)	g/15mm	275					GPIM (130°C, 1bar, 1sec)
lb/0.59in		0.60					GPIM (266°F, 14.5psi, 1 sec)	
BARRIER	Water Vapor Permeability (W.V.T.R.)	g/m ² /24h	6.8	5.3	4.5	4.0	3.2	ASTM F 1249 (38°C / 90% RH)
		g/100in ² /24h	0.439	0.342	0.290	0.258	0.20	
	Oxygen Transmission Rate (O.T.R.)	cc/m ² /24h	2120	1460	1289	1150	973	ASTM D 3985 (23°C / 0% RH)
		cc/in ² /24h	136	94	83	74	62	

* GPIM – Gulf Pack Internal Method

*MD – Machine Direction

*TD – Transverse Direction

Gulf Pack HF107 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 HF107 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 HF107** and other films in the Gulf Pack range is available upon request.