

# HF130

Heat Sealable High Slip Film (115 °C SIT)



TRANSPARENT BOPP FILM

**DESCRIPTION:**

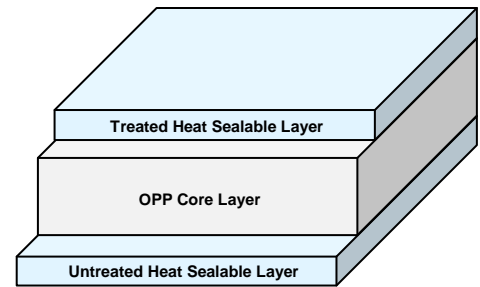
**Gulf Pack HF130** is a heat sealable film, specially designed with high slip and low antistatic properties to offer superior machinability.

**PRODUCT FEATURES:**

- Good slip and low antistatic property
- Superior machinability
- Good optical and mechanical properties
- Good resistance to oils, fats & chemicals
- Good barrier to moisture, odors & gases

**APPLICATIONS :**

- Converting; packaging of straws, cassettes, confectioneries, etc.
- High speed HFFS and VFFS machines



PROPERTIES		UNIT	TYPICAL VALUES						TEST METHOD.	
PHYSICAL	Thickness	Microns	18	20	25	30	35	40	48	ASTM D 374
		Gauge	72	80	100	120	140	160	192	
	Grammage	g/m <sup>2</sup>	16.38	18.20	22.75	27.30	31.85	36.40	43.68	*GPIM
		lbs/ream	10.1	11.2	14.0	16.8	19.6	22.4	26.8	
	Yield	m <sup>2</sup> /kg	61.05	54.95	43.96	36.63	31.40	27.48	22.89	
		in <sup>2</sup> /lb	43,000	38,700	31,000	25,800	22,100	19,400	16,100	
	Coefficient of Friction (Film/Film)		0.25						ASTM D 1894	
	Surface Tension (Treated Side)	dynes/cm	38						ASTM D 2578	
OPTICAL	Haze	%	2.5						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							
	Modulus of Elasticity	MD	194						ASTM D 882	
		TD	360							
MD		275,868								
TD		511,920								
THERMAL	Thermal Shrinkage	MD	< 4.0						GPIM (120°C (248°F), 5 min, air)	
		TD	< 2.0							
	Heat Seal Range	°C (°F)	115 – 140 (239 – 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)		

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

**Gulf Pack HF130** 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 HF130** 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 HF130** and other films in the Gulf Pack range is available upon request.