

# iHF520

**Metallized high barrier Film**



**METALLIZED BOPP FILM**

**DESCRIPTION:**

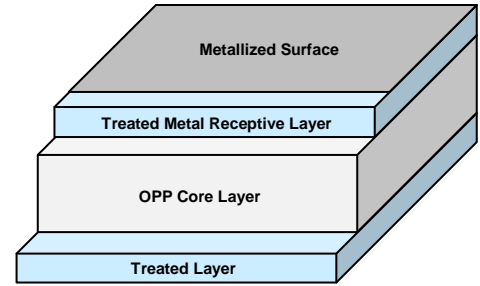
Gulf Pack iHF520 is BOPP metallized film, high barrier, both side treated.

**PRODUCT FEATURES :**

- Both side treated.
- High oxygen barrier
- Excellent moisture barrier
- Excellent bond strength in extrusion lamination & adhesive lamination.

**APPLICATIONS:**

- Suitable for extrusion lamination and adhesive lamination.
- Sandwich lamination.
- It can use in multilayer lamination for tea, snacks and liquid detergent packaging.



PROPERTIES		UNIT	TYPICAL VALUES	TEST METHOD.
PHYSICAL	Thickness	Microns	18	ASTM D 374
		Gauge	72	
	Grammage	g/m <sup>2</sup>	16.38	*GPIM
		lbs/ream	10.1	
	Yield	m <sup>2</sup> /kg	61.05	
in <sup>2</sup> /lb		43,000		
Coefficient of Friction (Film/Film)		0.35	ASTM D 1894	
OPTICAL	Optical Density	%	2.4	GPIM
MECHANICAL	Tensile Strength at Break	*MD	15	ASTM D 882
		*TD	27	
		MD	21,330	
		TD	38,394	
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	
BARRIER	Water Vapor Permeability (W.V.T.R.)	g/m <sup>2</sup> /24h	0.20	ASTM F 1249 (38°C / 90% RH)
		g/100in <sup>2</sup> /24h	0.013	
	Oxygen Transmission Rate (O.T.R.)	cc/m <sup>2</sup> /24h	20	ASTM D 3985 (23°C / 0% RH)
		cc/in <sup>2</sup> /24h	1.29	

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

Gulf Pack iHF520 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 3 months from date of production in our plant.

Detailed advice regarding other specific applications of Gulf Pack iHF520 and other films in the Gulf Pack range is available upon request.