

NF100

Non-Heat Sealable Transparent Film



TRANSPARENT BOPP FILM

DESCRIPTION :

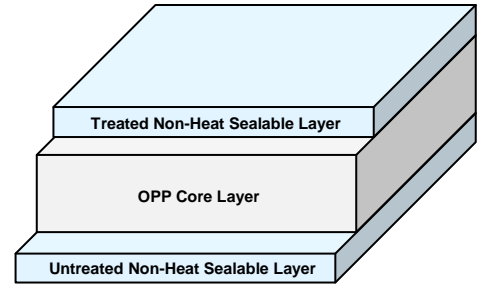
Gulf Pack NF100 is a non heat sealable film with excellent optical and mechanical properties, one side treated to suit printing and lamination application.

PRODUCT FEATURES :

- Superior transparency and high gloss
- Good machinability
- Good dimensional stability
- Treated side provide excellent adhesive and ink adhesion

APPLICATIONS :

- Printing & lamination with a wide range of substrates
- Base web for adhesives, PVDC and cold seal coatings
- Decorative gift wrap & flower wrapping



PROPERTIES		UNIT	TYPICAL VALUES								TEST METHOD.
PHYSICAL	Thickness	Microns	15	18	20	25	30	35	40	50	ASTM D 374
		Gauge	60	72	80	100	120	140	160	200	
	Grammage	g/m ²	13.65	16.38	18.20	22.75	27.30	31.85	36.40	45.5	*GPIM
		lbs/ream	8.4	10.1	11.2	14.0	16.8	19.6	22.4	28.00	
	Yield	m ² /kg	73.26	61.05	54.95	43.96	36.63	31.40	27.50	22.00	
		in ² /lb	51,600	43,000	38,700	31,000	25,800	22,100	19,400	15,468	
Coefficient of Friction (Film/Film)			0.40								ASTM D 1894
Surface Tension (Treated Side)		dynes/cm	38								ASTM D 2578
OPTICAL	Haze	%	1.5								ASTM D 1003
	Gloss (45°)		95								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	155								ASTM D 882
		TD	50								
THERMAL	Thermal Shrinkage	MD	< 4.0								GPIM (120oC (248oF), 5 min, air)
		TD	< 2.0								
BARRIER	Water Vapor Permeability (W.V.T.R.)	g/m ² /24h	7.9	7.5	7.2	6.0	5.0	4.0	3.2	2.4	ASTM F 1249 (38°C / 90% RH)
		g/100in ² /24h	0.5	0.48	0.46	0.39	0.32	0.26	0.21	0.11	
	Oxygen Transmission Rate (O.T.R.)	cc/m ² /24h	2600	2510	2200	1800	1400	1200	1000	700	ASTM D 3985 (23°C / 0% RH)
		cc/in ² /24h	162	158	142	116	90	77	64	48	

* GPIM – Gulf Pack Internal Method

*MD – Machine Direction

*TD – Transverse Direction

Gulf Pack NF100 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 NF100 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 NF100** and other films in the Gulf Pack range is available upon request.