

# NF120

Transparent Non-Heat Sealable, Both Side Treated



TRANSPARENT BOPP FILM

**DESCRIPTION:**

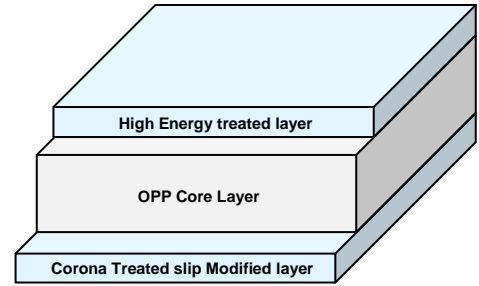
Gulf Pack NF120 is a transparent non heat sealable film, treated both side.

**PRODUCT FEATURES:**

- Superior transparency and high gloss
- Both side treated
- Excellent hot slip characteristics
- Stable slip
- Excellent extrusion lamination bonds

**APPLICATIONS:**

Outer-Web of packaging laminations  
film/film, film/paper



PROPERTIES		UNIT	TYPICAL VALUES							TEST METHOD.
PHYSICAL	Thickness	Microns	12	18	19	20	25	30	50	ASTM D 374
		Gauge	48	72	76	80	100	120	200	
	Grammage	g/m <sup>2</sup>	11.0	16.38	17.29	18.2	22.75	27.3	45.5	*GPIM
		lbs/ream	6.8	10.10	10.66	11.2	14.0	16.8	27.97	
	Yield	m <sup>2</sup> /kg	90.90	61.05	57.84	54.95	43.96	36.63	21.97	
		in <sup>2</sup> /lb	64,515	43,000	40,740	38,700	31,000	25,800	15,479	
		Coefficient of Friction (Corona treatment Side)		0.35						
	Surface Tension (High energy flame Side)	dynes/cm	40							ASTM D 2578
	Surface Tension (Corona treatment Side)		38							ASTM D 2578
OPTICAL	Haze	%	2.0							ASTM D 1003
	Gloss (45°)		90							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 (120°C (248°F), 5 min, air)
		TD	< 2.0							
BARRIER	Water Vapor Permeability (W.V.T.R.)	g/m <sup>2</sup> /24h	9.2	7.3	6.8	6.2	4.8	3.3	2.0	ASTM F 1249 (38°C / 90% RH)
		g/100in <sup>2</sup> /24h	0.60	0.48	0.45	0.39	0.31	0.21	0.13	

\* GPIM – Gulf Pack Internal Method

\*MD – Machine Direction

\*TD – Transverse Direction

Gulf Pack NF120 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.

Detailed advice regarding other specific applications of Gulf Pack NF120 and other films in the Gulf Pack range is available upon request.