

Polyethylene Film

BPE PREMIUM

TRANSPARENT LAMINATION

● Description:

The BPE PREMIUM TRANSPARENT LAMINATION is a co-extruded film in blown equipment, formed by excellent quality polyethylene blends that ensure high sealability at low temperatures on the untreated face. Can be produced with treatment on both sides. It presents excellent optical characteristics (brightness and transparency), high sliding, high resistance to tearing, besides high dimensional stability. Indicated for materials that need greater sealing and greater mechanical resistance, such as products in po, like milk, coffee, sucos and other foods in general.

● Main Features :

- Produced by BLOWN extrusion;
- It has high sealability on the untreated face;
- High slip;
- Excellent optical characteristics (brightness and transparency);
- High tear resistance;
- Excellent flatness and dimensional stability;
- Treatment on one side or both sides for paint and/or adhesive applications or without treatment.

● Important considerations:

It is recommended to store this product at temperatures not exceeding 30°C, in the shade, with relative humidity up to 60%, as it may present decay of physical properties in uncontrolled storage conditions. In addition, it must be used within the validity period described on the identification labels. Maintain proper turnover of expiration dates (FIFO). The information given in the datasheets should be considered as comparative parameters and should not be taken as a guarantee. Other specifications can be answered upon consultation and approval by our technical department.

● Applications:

Intended for the manufacture of laminated packaging with other substrates. It can be supplied in thicknesses between 0.020 and 0.2500 mm. Meets ANVISA's ordinances to get in direct contact with food.

Dimensional Properties		
Dimensions	Unit	Tolerance
Thickness	mm	+ or - 5%
Width	mm	+5
Weight	g/m ²	+ or - 5%
Internal Diameter	inch	6
Treatment side		External/internal or bitrated
External Diameter	mm	500-800

Propiedades Principales							
Propiedades	Método	Unidad	Espesores em mm				
			0,035	0,045	0,055	0,070	0,100
Drying Module 1% *MS	ASTM D882	MPA	205	210	220	225	230
Tensile strength *MS	ASTM D882	GF	3400	3460	4710	5130	6365
Tensile strength *CD	ASTM D882	GF	3200	3320	4490	6060	8505
Stretching at Break *MS	ASTM D882	%	600	600	620	625	630
Stretching at Break *CD	ASTM D882	%	640	645	650	750	820
Tear Resistance *MS	ASTM D1938	GF	200	240	300	430	730
Tear Resistance *CD	ASTM D1938	GF	335	360	510	670	830
Surface Tension	ASTM 2578	Dinas/cm	38				
Dynamic COF (film/ film- * UF / * UF)	ASTM D1894		0,10 - 0,25				
TPVA a 38 °C e 100%UR.	ASTM F1249	g/(m2.dia)	13	11	10	8	5
Initial hot sealing temperature (Hot Tack)	ASTM 1921	°C	95	100	105	110	110
Initial cold sealing temperature *UF/*UF	ASTM F88	°C	140	160	160	165	190

*MS - Machine Steering | *CD - Cross Direction | *UF - Untreated Face

The typical values mentioned are average data and should be considered as a reference and cannot be taken as a warranty specification. Other specifications can be met upon consultation and approval.