Polyethylene film
BPE.CONVENTIONAL WHITE PIG LAMINATION

Description:

The BPE.Conventional White Pig. Lamination The BPE.Conventional White Pig. 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. Because it is easy to cut by machine, it is ideal for sachet and tube-type packaging.

Main features:

- Produced by BLOWN extrusion;
- Features "Easy Cut" on machine, ideal for packaging sachets and tubes;
- Good sealability;
- High tear resistance;
- High slip;
- Excellent flatness and dimensional stability;
- Treatment on one side or both sides for paint and/or adhesive applications or without treatment.

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.

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 met upon consultation and approval by our technical department.

Dimensional Properties		
Dimensions	Unit	Tolerances
Width	mm	+ 5
Thickness	mm	+ or - 5%
Weight	g/m²	+ or - 5%
Internal Diameter	pol	6
Treatment side		external/internal or bitrated
External Diameter	mm	500-800

Main properties								
Properties	Method	Unit	Thickness in mm					
			0,025	0,035	0,050	0,060	0,065	0,070	0,090
Drying Module 1% DM	ASTM D882	MPA	225	230	240	250	255	260	275
Tensile strength *DM	ASTM D882	GF	2300	3000	4200	4800	5000	5300	7100
Tensile strength *DT	ASTM D882	GF	1800	2400	3500	4500	4800	4900	6300
Stretching at Break *DM	ASTM D882	%	480	600	650	700	750	800	900
Stretching at break *DT	ASTM D882	%	730	740	780	800	820	880	950
Tear Resistance *DM	ASTN D1938	GF	120	170	300	390	450	470	680
Tear Resistance *DT	ASTN D1938	GF	250	290	450	550	600	750	950
TPVA at 38°C, 100% H.R.	ASTM F1249	g/(m²/day)	15	10,5	7,5	7	6,5	5	4
Surface Tension	ASTM 2578	dynes/cm	38						
Dynamic COF (film/ film- * NT / * NT)	ASTM D1894		0.10-0.25						
Initial hot sealing temperature (Hot Tack)	ASTM 1921	°C	105	105	105	105	105	110	110
Initial cold sealing temperature *NT/*NT	ASTM F88	°C	140	140	160	160	160	165	180
Opacity	Internal	%	60	65	70	75	80	80	80

***DM** - Machine Steering | ***DT** - Cross Direction | ***NT** - 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..

GDM Indústria e Comércio de Plástico Ltda.
Rodovia SC 108 - KM 331,5 - CEP: 88.870-000
B. Murialdo - Orleans - SC -
Phone/Fax: 48 3466.6600
gdmplasticos@gdmplasticos.com.br
www.gdmplasticos.com.br

Maceió Branch
Avenida Menino Marcelo, 2400
CEP: 57.083-410 B. Tabuleiro dos Martins Maceió - AL -
Phone/Fax: 82 3334.2800
filialmaceio@gdmplasticos.com.br

Manaus Branch
Avenida Buriti, 2350 Galpão G-5
CEP: 69.075-903 B. Distrito Industrial Manaus - AM -
Phone/Fax: 92 3042.0120
filialmanaus@gdmplasticos.com.br

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