



PETLAIN

BT 1011

Description

PETLAIN BT 1011 is a transparent biaxially oriented polyester (BOPET) film. Non heat sealable. One side corona treated to give excellent adhesion to wide range of inks and laminating adhesives.

It is designed for use in printing, coating and lamination processes for general purpose flexible packaging applications.

It can also be metallized with standard vacuum metallization systems.

Please contact our sales department if both sides treated version (BT 1012) or non treated version (BT 1010) is required.

Properties

- Superior mechanical strength
- Excellent stiffness
- Excellent machinability
- Good dimensional stability
- Excellent chemical resistance
- High gloss and clarity
- Excellent flatness
- Good slip property
- Excellent ink, coating and adhesive adhesion
- The film shelf life is 9 months

Technical Features

PROPERTIES	TEST METHOD	UNITS		BT 1011							
THICKNESS	ASTM F 2251	micron		9	10	12	19	23	30	36	50
		Gauge		36	40	48	76	92	120	144	200
YIELD	ASTM D 4321	m²/kg		79,4	71,4	59,5	37,6	31,1	23,8	19,8	14,3
		in²/Lbs		55.800	50.200	41.800	26.400	21.800	16.700	13.900	10.000
UNIT WEIGHT	ASTM D 4321	g/m²		12,6	14,0	16,8	26,6	32,2	42,0	50,5	69,9
HAZE	ASTM D 1003	%		2,5					3,0		3,5
GLOSS (45 °)	ASTM D 2457	%		125							
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm²	240					200		
			lb/in²	34.800					29.000		
		TD	N/mm²	260					260		
			lb/in²	37.700					37.700		
ELONGATION AT BREAK	ASTM D 882	MD	%	140					180		
		TD		110					120		
THERMAL SHRINKAGE (150 °C, 30 min, air)	ASTM D 1204	MD	%	2							1
		TD		0,5							0,5
COEFFICIENT OF FRICTION	ASTM D 1894	Film/Film Dynamic		0,40							
SURFACE TENSION	ASTM D 2578	Dyne/cm	Treated Side	56							
			Other Side	-							

Product Identification (Decision 97/129/EC): PET1

Regulatory Status

Our product complies with the applicable EC legislation on packaging involving direct contact with foods except metallized films. Full details are given on the Regulatory Compliance Certificate and can be found on our web site.

The information contained in this data sheet is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Above values are to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customers to determine final suitability for their specific end uses.

Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing, pending or future patents.

For related spec sheet with tolerance values, please contact our sales departments

STANDARD ROLL DIMENSIONS			
CORE INNER DIAMETER (ID)	CORE OUTER DIAMETER (OD)	LENGTH TOLERANCE	WIDTH TOLERANCE
76 mm (3 in) & 152 mm (6 in)	530 mm & 790 mm *	± % 10 for all OD's	- 0 & + 4 mm

* 790 mm OD is available for BOPET films above 400 mm width