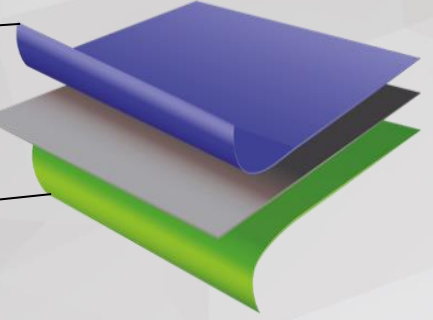


Treated Modified PET Layer ←

PET Core Layer ←

Modified PET Layer ←



PETLAIN

BT 1011 MY

Description

PETLAIN BT 1011 MY is a transparent biaxially oriented polyester (BOPET) film with improved dimensional stability on TD direction. Non heat sealable. One side corona treated.

Specially designed to be used in industrial applications where high heat is used during converting and/or processing such as stamping foil, transfer base film, metallic yarn, release film, support film, etc.

Please contact our sales department if non treated version (BT 1010 MY) is required.

Properties

- Improved dimensional stability on TD direction
- Superior mechanical strength
- Excellent flatness, stiffness and machinability
- High gloss and clarity
- Excellent chemical resistance
- Excellent ink, coating, adhesive and metal adhesion
- The film shelf life is 9 months

Technical Features

PROPERTIES	TEST METHOD	UNITS	BT 1011 MY					
THICKNESS	ASTM F 2251	micron	12	19	23	30	36	50
		Gauge	48	76	92	120	144	200
YIELD	ASTM D 4321	m ² /kg	59,5	37,6	31,1	23,8	19,8	14,3
		in ² /Lbs	41.800	26.400	21.800	16.700	13.900	10.000
UNIT WEIGHT	ASTM D 4321	g/m ²	16,8	26,6	32,2	42,0	50,5	69,9
HAZE	ASTM D 1003	%	3,0			3,5		4,0
GLOSS (45 °)	ASTM D 2457	%	125					
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm ²	220			200	
			lb/in ²	31.900			29.000	
		TD	N/mm ²	240			230	
			lb/in ²	34.800			33.400	
ELONGATION AT BREAK	ASTM D 882	MD	140			160		
		TD	125			140		
THERMAL SHRINKAGE (150 °C, 30 min, air)	ASTM D 1204	MD	1,0			1,5		
		TD	0,0			0,3		
THERMAL SHRINKAGE (200 °C, 20 min, air)	ASTM D 1204	MD	3,5					
		TD	- 0,4					
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