



PETEX

BT 3011

PRELIMINARY

Description

PETEX BT 3011 is a transparent, one side heat sealable, other side corona treated, biaxially oriented polyester (BOPET) film to be used as single ply and/or lamination purposes.

The heatsealable side seals against itself and gives weld seal to A-PET, C-PET and PVC. But does not seal to PP, PE and PS.

Treated side is to give excellent adhesion to wide range of inks and lamination adhesives.

Properties

- One side heat sealable
- Other side corona treated
- High seal strength and wide seal range
- Excellent stiffness, flatness and machinability
- Excellent chemical resistance
- High gloss and clarity
- Excellent ink, coating and adhesive adhesion
- The film shelf life is 6 months

Technical Features

PROPERTIES	TEST METHOD	UNITS		BT 3011			
THICKNESS	ASTM F 2251	micron		15	19	23	30
		Gauge		60	76	92	120
YIELD	ASTM D 4321	m²/kg		47,6	37,6	31,1	23,8
		in²/Lbs		33.500	26.400	21.800	16.700
UNIT WEIGHT	ASTM D 4321	g/m²		21.0	26.6	31,2	42,0
HAZE	ASTM D 1003	%		2,0	2,0	2,0	2,5
GLOSS (45 °)	ASTM D 2457	%		120			
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm²	200			
			lb/in²	29.000			
		TD	N/mm²	220			
			lb/in²	31.900			
ELONGATION AT BREAK	ASTM D 882	MD	%	180			
		TD		120			
THERMAL SHRINKAGE (150 °C, 30 min, air)	ASTM D 1204	MD	%	2			
		TD		1			
COEFFICIENT OF FRICTION	ASTM D 1894	Film/Film (Dynamic)		0,40			
SURFACE TENSION	ASTM D 2578	Dyne/cm	Treated Side	56			
			Other Side	-			
HEATSEAL RANGE (*)	ASTM F 88	°C		110 – 200			
		°F		230 – 392			
HEATSEAL STRENGTH (*) (130°C, 4MPa, 0,5s)	ASTM F 88	N/15mm	N/N	3,5		4	
		g/15mm		350		400	
		N/25mm		5,5		6	
		g/25mm		550		600	
HEATSEAL RANGE (*)	ASTM F 88	N/15mm	APET	130 – 200			

(*) Heat seal side to itself

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

REV: 03 Date: 20.03.2025