



PETLAIN

BT 1011 CY

Description

PETLAIN BT 1011 CY is a transparent, non heat sealable biaxially oriented polyester (BOPET) film. One side chemically treated for improved adhesion of inks and lamination adhesives. It has stable wetting tension level for extended time periods.

It is specially designed for use in printing and lamination applications. Chemical treatment is acrylate based which gives good adhesion to solvent based inks and lamination adhesives. Suitable for pasteurization and wet wipes applications and recommended to test and approve at specific actual conditions before long run usage.

It is also used to have high metal adhesion onto chemically treated surface with high metal bond strength.

Properties

- Chemical treatment for best adhesion upon time
- Superior mechanical strength and stiffness
- Excellent machinability and flatness
- Good dimensional stability
- High gloss and clarity
- Good slip property
- Excellent adhesion to inks, coatings and adhesives

Technical Features

PROPERTIES	TEST METHOD	UNITS		BT 1011 CY				
THICKNESS	ASTM F 2251	micron	9	10	12	19	23	36
		Gauge	36	40	48	76	92	144
YIELD	ASTM D 4321	m ² /kg	79,4	71,4	59,5	37,6	31,1	19,8
		in ² /Lbs	55.800	50.200	41.800	26.400	21.800	13.900
UNIT WEIGHT	ASTM D 4321	g/m ²	12,6	14,0	16,8	26,6	32,2	50,5
HAZE	ASTM D 1003	%	2,5					3,0
GLOSS (45 °)	ASTM D 2457	%	125					
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm ²	240				200
			lb/in ²	34.800				29.000
		TD	N/mm ²	260				260
			lb/in ²	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	%	2,0				
		TD		0,5				
COEFFICIENT OF FRICTION	ASTM D 1894	Film/Film Dynamic		0,40				
SURFACE TENSION	ASTM D 2578	Dyne/cm	Chemical Side	38				
			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