



PETLAIN

BT 1211

TECHNICAL DATA SHEET

Description

PETLAIN BT 1211 is a white pigmented, biaxially oriented polyester (BOPET) film. Non heat sealable. One side is corona treated to give excellent adhesion to wide range of inks and lamination adhesives.

It is designed for use in printing, coating and lamination processes for general purpose flexible packaging and industrial applications at where whiteness is required for opacity and/or excellent print designs.

White appearance also saves white base color print.

Properties

- Superior mechanical strength
- Excellent high speed machinability
- Excellent dimensional stability
- Excellent whiteness and opacity
- High gloss
- Good slip property
- Excellent chemical resistance
- Excellent ink, coating and adhesive adhesion

Technical Features

PROPERTIES	TEST METHOD	UNITS		SPECIFICATION RANGE				
THICKNESS	ASTM F 2251	micron	23	36	50	±	5 %	
		Gauge	92	144	200	±	5 %	
YIELD	ASTM D 4321	m ² /kg	30,6	19,6	14,1	±	5 %	
		in ² /Lbs	21.500	13.800	9.900	±	5 %	
UNIT WEIGHT	ASTM D 4321	g/m ²	32,7	51,0	70,9	±	5 %	
GLOSS (45 °)	ASTM D 2457	%	75			±	5	
LIGHT TRANSMISSION	ASTM D 1746	%	25	25	20	±	5	
OPACITY	DIN 53146	%	75	80	85	±	5	
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm ²	160			±	40
			lb/in ²	23.200			±	5800
		TD	N/mm ²	200			±	40
			lb/in ²	29.000			±	5800
ELONGATION AT BREAK	ASTM D 882	MD	%	130			±	30
		TD		100			±	30
THERMAL SHRINKAGE (150 °C, 30 min, air)	ASTM D 1204	MD	%	1,5			±	0,5
		TD		0,5			±	0,5
COEFFICIENT OF FRICTION	ASTM D 1894	Film/Film Dynamic		0,40			±	0,10
SURFACE TENSION	ASTM D 2578	Dyne/cm	Treated Side	56			±	2
			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