



# PETLAIN

## BT 1012 CP

### Description

PETLAIN BT 1012 CP is a transparent, non heat sealable biaxially oriented polyester (BOPET) film. One side chemically treated for improved adhesion. Other side has standard coronatreatment.

It is specially designed for use in printing and lamination applications where high adhesion for inks and glue is needed. Chemical treatment is PU based which gives good adhesion to different inks and lamination adhesives systems.

It is approved for high heat processes including sterilization and pasteurization applications and we recommend to test and approve at specific actual conditions before usage.

Please be informed that BT 1012 CP is not recommended for metallization proceses.

**Any possible caution for blocking tendency during printing or/and process should be taken since the film is both sides treated.**

### Properties

- Both sides treated
- 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, coating and adhesives
- The film shelf life is 6 months

## Technical Features

PROPERTIES	TEST METHOD	UNITS		BT 1012 CP	
THICKNESS	ASTM F 2251	micron		12	23
		Gauge		48	92
YIELD	ASTM D 4321	m <sup>2</sup> /kg		59,5	31,1
		in <sup>2</sup> /Lbs		41.800	21.800
UNIT WEIGHT	ASTM D 4321	g/m <sup>2</sup>		16,8	32,2
HAZE	ASTM D 1003	%		2,5	
GLOSS (45 °)	ASTM D 2457	%		125	
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm <sup>2</sup>	240	
			lb/in <sup>2</sup>	34.800	
		TD	N/mm <sup>2</sup>	260	
			lb/in <sup>2</sup>	37.700	
ELONGATION AT BREAK	ASTM D 882	MD	%	140	
		TD		110	
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	42	
			Treated Side	50	

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