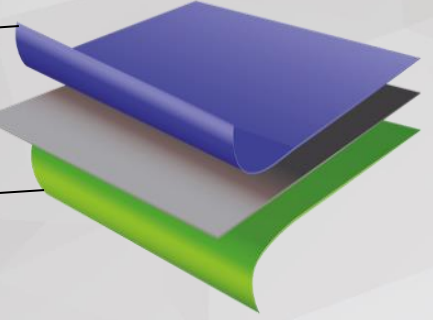


Chemically Treated Layer

PET Core Layer

PET Layer



PETLAIN

BT 1011 C

Description

PETLAIN BT 1011 C is a transparent biaxially oriented polyester (BOPET) film. Non heat sealable. One side chemically treated to give excellent adhesion to wide range of inks and lamination adhesives.

It has a very high and stable wetting tension level for extended time periods due to chemical treatment. It is specially designed for use in printing, coating and lamination processes for general purpose flexible packaging applications.

It is not recommended for high heat and high humidity processes including sterilization and pasteurization.

Properties

- Chemical treatment for best adhesion upon time
- Superior mechanical strength and excellent stiffness
- Excellent machinability
- Good dimensional stability and flatness
- Excellent chemical resistance
- High gloss and clarity
- Good slip property
- Excellent ink, coating and adhesive adhesion
- The film shelf life is 12 months

Technical Features

| PROPERTIES | TEST METHOD | UNITS | BT 1011 C | | | | | |
|--|-------------|----------------------|--------------------|--------|--------|--------|--------|--------|
| 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 | 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