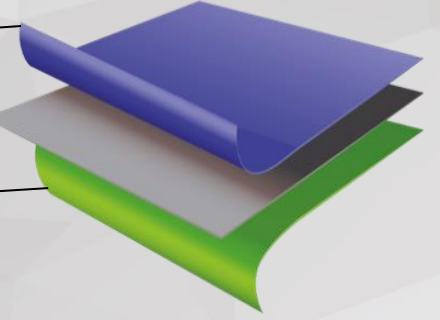


Chemically Treated PET Layer ←

PET Core Layer ←

PET Layer ←



PETCYCLE

BT 1011 PRY

PRELIMINARY

Description

PETCYCLE BT 1011 PRY is a transparent, non heat sealable, biaxially oriented polyester (BOPET) film. One side is chemically treated for improved adhesion to wide range of inks and lamination adhesives.

This film is especially developed to reduce carbon footprint and GHG emission and contains 50% Post-Consumer Recycled PET resin and the film has minimum 35% PCR content. PCR resin is manufactured by chemical depolymerization.

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
- The film shelf life is 12 months

Technical Features

| PROPERTIES | TEST METHOD | UNITS | BT 1011 PRY | | | |
|--|-------------|------------------------|--------------------|--------|--------|--------|
| THICKNESS | ASTM F 2251 | micron | 12 | 19 | 23 | 36 |
| | | Gauge | 48 | 76 | 92 | 144 |
| YIELD | ASTM D 4321 | m ² /kg | 59,5 | 37,6 | 31,1 | 19,8 |
| | | in ² /Lbs | 41.800 | 26.400 | 21.800 | 13.900 |
| UNIT WEIGHT | ASTM D 4321 | g/m ² | 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 | 200 | 200 | 200 |
| | | | lb/in ² | 29.000 | 29.000 | 29.000 |
| | | TD | N/mm ² | 260 | 260 | 260 |
| | | | lb/in ² | 37.700 | 37.700 | 37.700 |
| ELONGATION AT BREAK | ASTM D 882 | MD | % | 140 | 190 | 230 |
| | | TD | | 110 | 120 | 120 |
| THERMAL SHRINKAGE (150 °C, 30 min, air) | ASTM D 1204 | MD | % | 2,0 | 1,6 | 1,5 |
| | | TD | | 0,5 | 0,5 | 0,5 |
| COEFFICIENT OF FRICTION | ASTM D 1894 | Film/Film (Dynamic) | | 0.35 | | |
| 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