



## SUPCOAT

## BT 7011 MOC

### Description

SUPCOAT BT 7011 MOC is a transparent, biaxially oriented polyester (BOPET) film with a new generation of high barrier coating. It is a chlorine-free coating with non heat seal property.

The coated side has high surface tension and can be printed with suitable inks formulated for this surface. It is advised to consult with ink manufacturers and/or to approve at present conditions. You can also contact our technical representatives for available information.

### Properties

- New generation chlorine-free gas barrier coating
- Outstanding oxygen, gas and aroma barrier
- High clarity and gloss
- Excellent print receptive coating
- Excellent lamination adhesion on coated surface
- Non-heat seal property

### Applications

Specially designed for flexible packaging applications where high barrier is required for the packaging of oxygen sensitive products. It can also be used in lamination with PE substrates to provide excellent oxygen and water vapour protection for MAP (Modified Atmosphere Packaging) applications.

The barrier surface is also suitable for lamination and we highly recommend that the coated layer is within the laminate construction.

Supcoat BT 7011 MOC is not suitable for high temperature applications such as pasteurization and sterilization. Also not suitable for liquid packagings and foods with high moisture content.

## Technical Features

| PROPERTIES                              | TEST METHOD | UNITS                        | BT 7011 MOC        |        |
|---|-------------|------------------------------|--------------------|--------|
| THICKNESS                               | ASTM F2251  | micron                       | 12                 | 23     |
|   |             | Gauge                        | 48                 | 92     |
| YIELD                                   | ASTM D4321  | m <sup>2</sup> /kg           | 59,5               | 31,0   |
|   |             | in <sup>2</sup> /Lbs         | 41.800             | 22.000 |
| UNIT WEIGHT                             | ASTM D4321  | g/m <sup>2</sup>             | 16,8               | 32,2   |
| HAZE                                    | ASTM D1003  | %                            | 2                  |        |
| GLOSS (45 °)                            | ASTM D2457  | %                            | 120                |        |
| OXYGEN TRANSMISSION RATE (23°C-0%RH)    | ASTM D3985  | cc/m <sup>2</sup> /24hrs     | ≤ 1                |        |
|   |             | cc/100in <sup>2</sup> /24hrs | ≤ 0,06             |        |
| TENSILE STRENGTH AT BREAK               | ASTM D882   | 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 D882   | MD                           | % 140              |        |
|   |             | TD                           | % 110              |        |
| THERMAL SHRINKAGE (150 °C, 30 min, air) | ASTM D1204  | MD                           | % 2,0              |        |
|   |             | TD                           | % 0,5              |        |
| COEFFICIENT OF FRICTION                 | ASTM D1894  | Coated Side/Coated Side      | 0,40               |        |
|   |             | Coated/Metal                 | 0,35               |        |
| SURFACE TENSION                         | ASTM D2578  | Dyne/cm                      | Coated Side        | 50     |
|   |             |                              | 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.

The film shelf life is 6 months. Also the film should be stored away from sunlight and without moisture. Modified PU based ink series offer good adhesion and printability.

**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    |

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