



# SUPCOAT

## BT 7011 MDT

### Description

SUPCOAT BT 7011 MDT is a transparent, biaxially oriented polyester (BOPET) film with one side PVDC coated for high barrier property.

### Properties

- High clarity and gloss
- Excellent moisture, gas and aroma barrier
- Superior mechanical strength.
- Excellent print and lamination adhesion on PVDC side
- Excellent dimensional stability and cuttability
- Good dimensional stability
- Resistance to chemicals, greases and oils

### Applications

Specially designed for flexible packaging applications where high barrier to oxygen, humidity and aroma.

Supcoat BT 7011 MDT is specifically designed to be used for pasteurization applications (Test condition:90°C-30min). But we recommend preliminary tests to verify the results to approve at own conditions.

PVDC 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.

## Technical Features

PROPERTIES	TEST METHOD	UNITS	BT 7011 MDT	
THICKNESS	ASTM F2251	micron	14	
		Gauge	56	
YIELD	ASTM D4321	m <sup>2</sup> /kg	53,2	
		in <sup>2</sup> /Lbs	37.400	
UNIT WEIGHT	ASTM D4321	g/m <sup>2</sup>	18,8	
HAZE	ASTM D1003	%	2,5	
GLOSS (45 °)	ASTM D2457	%	120	
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m <sup>2</sup> /24hrs	≤ 10	
		cc/100in <sup>2</sup> /24hrs	≤ 0,65	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m <sup>2</sup> /24hrs	≤ 10	
		g/100in <sup>2</sup> /24hrs	≤ 0,65	
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		0,30
		Coated Side/Metal		0,25
SURFACE TENSION	ASTM D2578	Dyne/ cm	PVdC 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