



## SUPCOAT

## BT 7011 HMC

### Description

SUPCOAT BT 7011 HMC is a transparent biaxially oriented polyester (BOPET) film with firm seal property. Other side is treated.

### Properties

- Firm (weld) seal to Aluminium, APET & CPET
- Superior mechanical strength
- Excellent stiffness
- Excellent machinability and flatness
- Good dimensional stability
- Excellent chemical resistance
- Suitable for oven applications
- The film shelf life is 6 months

### Applications

BT 7011 HMC can be used for heating and cooking food at oven temperatures as severe as 200°C for 2 hours.

It is specially designed for use in lidding applications where firm seal property is needed to Aluminium substrate.

Other side is treated. It may be used as printing and lamination surface.

It has also firm seal property against APET & CPET substrate.

It has sealability to itself.

Please contact customer service representative for the application compliance.

## Technical Features

PROPERTIES	TEST METHOD	UNITS	BT 7011 HMC		
THICKNESS	ASTM F2251	micron	19	23	27
		Gauge	76	92	108
YIELD	ASTM D4321	m <sup>2</sup> /kg	40	32,7	27,6
		in <sup>2</sup> /Lbs	28200	23.000	19.500
UNIT WEIGHT	ASTM D4321	g/m <sup>2</sup>	25	30,6	36,2
HAZE	ASTM D1003	%	5		
GLOSS (45 °)	ASTM D2457	%	95		
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m <sup>2</sup> /24hrs	≤ 100		
		cc/100in <sup>2</sup> /24hrs	≤ 6,5		
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m <sup>2</sup> /24hrs	≤ 30		
		g/100in <sup>2</sup> /24hrs	≤ 2		
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/Metal		0,40	
		Other Side/Metal		0,40	
SURFACE TENSION	ASTM D2578	Dyne/cm	Chemical Side	48	
			Other Side	-	
HEATSEAL RANGE	ASTM F88	°C		190-240	
		°F		374-464	
HEATSEAL STRENGTH to ALU (220 °C, 4 MPa, 2 s)	Internal	N/15mm	3,5		

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. 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