



Chemically Treated PET Layer
PET Core Layer
Peelable&Antifog Sealable Layer

SUPCOAT

BT 7011 LTA

Description

SUPCOAT BT 7011 LTA is a transparent biaxially oriented polyester (BOPET) film with peelable seal and antifog property. Other side is chemically treated.

Treated side may be used as printing and lamination surface, but should be approved with present ink and glue systems used including aging tests.

It has antifogging (antimist) property on peelable surface for fresh fruits and vegetable packaging where high visibility in cold environment is needed. The film retains its transparency by spreading the condensed water droplets into a continuous and uniform water layer and the packed foods stays clearly visible. It also protects the packed food against deterioration caused by droplets of water.

It has high resistance to oily products and can seal through contamination.

Properties

- Peelable seal to APET, RPET, CPET, 3-ply APET/ RPET/ APET
- Superior mechanical strength
- Excellent stiffness
- Excellent machinability and flatness
- Good dimensional stability
- Excellent chemical resistance
- Easy open peelable seals
- Excellent antifogging (antimist) property
- The film shelf life is 6 months

Applications

It has low Seal Initiation Temperature down to 90°C (194°F).

It can be used in lidding applications where peelable seal property is needed to APET, RPET, CPET and 3 ply APET/ RPET/ APET substrates. It is specially designed for high speed machines.

Technical Features

PROPERTIES	TEST METHOD	UNITS	BT 7011 LTA	
THICKNESS	ASTM F2251	micron	22	26
		Gauge	88	104
YIELD	ASTM D4321	m ² /kg	33,8	28,4
		in ² /Lbs	23.800	20.000
UNIT WEIGHT	ASTM D4321	g/m ²	29,6	35,2
HAZE	ASTM D1003	%	9	
GLOSS (45 °)	ASTM D2457	%	95	
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m ² /24hrs	≤ 100	
		cc/100in ² /24hrs	≤ 6,5	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m ² /24hrs	≤ 30	
		g/100in ² /24hrs	≤ 2	
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm ²	240
			lb/in ²	34.800
		TD	N/mm ²	260
			lb/in ²	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		0,35
		Other Side/Metal		0,40
SURFACE TENSION	ASTM D2578	Dyne/cm	Chemical Side	38
			Other Side	-
HEATSEAL RANGE	ASTM F88	°C		90-220
		°F		194-428
HEATSEAL STRENGTH (150 °C, 4 MPa, 1 s)	Internal	N/15mm	RPET	3,5
			APET	5,0

Product Identification (Decision 97/129/EC): PET1

Regulatory Status

Please be informed that additives used in antifog films are very sensitive to excess heat. Films should be kept in cool & dry places to maximize shelf life regarding antifog performance. We would also like to remind that antifog films should be used in 6 months after production.

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. 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