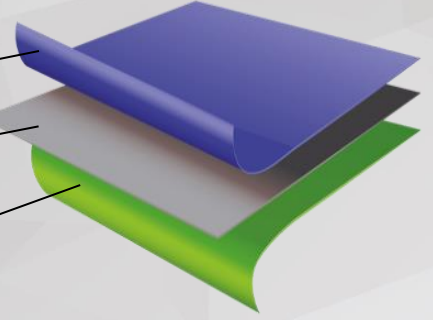


Printable Topcoated Aluminium Layer

PET Core Layer

PET Layer



SUPCOAT

BT 7031 PSC

Description

SUPCOAT BT 7031 PSC is a metallized, biaxially oriented polyester (BOPET) film with peelable seal property.

Properties

- Peelable seal to PS
- Superior mechanical strength
- Excellent stiffness
- Excellent machinability and flatness
- Good dimensional stability
- Easy open peelable seals
- Excellent metal adhesion and barrier properties

Applications

It is specially designed for use in lidding applications where peelable seal property is needed to substrates like PS.

We recommend the use primer for adhesion.

Please contact customer service representative for the application compliance.

Technical Features

PROPERTIES	TEST METHOD	UNITS	BT 7031 PSC	
THICKNESS	ASTM F2251	micron	15	
		Gauge	60	
YIELD	ASTM D4321	m ² /kg	50.5	
		in ² /Lbs	35.700	
UNIT WEIGHT	ASTM D4321	g/m ²	19,8	
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m ² /24hrs	≤ 10	
		cc/100in ² /24hrs	≤ 0,65	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m ² /24hrs	≤ 1	
		g/100in ² /24hrs	≤ 0,06	
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		0,55
		Other Side/Metal		0,45
OPTICAL DENSITY	MACBETH TD931	-		2,2
HEATSEAL RANGE	ASTM F88	°C		160-240
		°F		320-464
HEATSEAL STRENGTH to PS (190 °C, 4 MPa, 1 s)	Internal	N/15mm		6,0

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.

Metallization is a special process and aluminium coated surface is very sensitive to environmental conditions. Even though metal surface tension is above 40 dynes after production, it tends to decrease within time influencing by climatic conditions and storage periods. A guarantee of the duration of surface tension of metallized surface can not be given. We recommend to store metallized films in a dry place and at temperatures below 30°C. It is also advised to use metallized films as 'First in, First Out' principle. In-line treatment and/or priming onto metal surface for adequate ink or coating adhesion is strongly recommended. The metallized surface can normally be laminated with most of the substrates. Other properties of the metallized films are guaranteed for 6 months from the date of production.

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. Also, it has isotropic property.

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