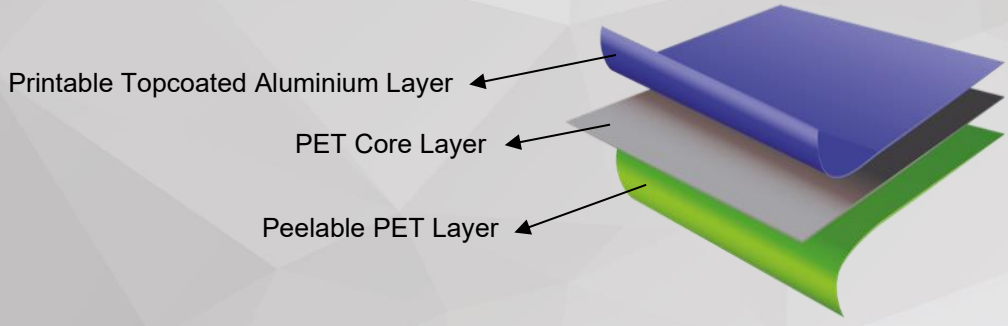

SUPCOAT

BT 7031 PPM

Description

SUPCOAT BT 7031 PPM is a metallized, biaxially oriented polyester (BOPET) film with peelable seal property on one side. Other side is topcoated for excellent printable and adhesion property with broad range of ink systems including UV print technology. Top coating formulation is designed to resist humidity.

Any possible caution for blocking tendency during printing and/or other process should be taken since the film is both sides coated.

Properties

- Peelable seal to PP
- Superior mechanical strength
- Excellent stiffness
- Excellent machinability and flatness
- Good dimensional stability
- Excellent chemical resistance
- Easy open peelable seals
- Suitable for punching or side cutting.

Applications

It is specially designed for use in lidding applications where peelable seal property is needed to wide range of substrates like PP.

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SUPER FILM
PACKAGING FILMS

Technical Features

PROPERTIES	TEST METHOD	UNITS		BT 7031 PPM	
THICKNESS	ASTM F2251	micron		40	54
		Gauge		160	216
YIELD	ASTM D4321	m²/kg		18,4	13,5
		in²/Lbs		13.000	9.500
UNIT WEIGHT	ASTM D4321	g/m²		54,4	74
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m²/24hrs		≤ 10	
		cc/100in²/24hrs		≤ 0,65	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m²/24hrs		≤ 1	
		g/100in²/24hrs		≤ 0,06	
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm²	160	
			lb/in²	23.200	
		TD	N/mm²	200	
			lb/in²	29.000	
ELONGATION AT BREAK	ASTM D882	MD	%	130	
		TD		100	
THERMAL SHRINKAGE (150 °C, 30 min, air)	ASTM D1204	MD	%	2,0	
		TD		0,5	
COEFFICIENT OF FRICTION	ASTM D1894	Topcoaet Side/Metal		0,55	
		Other Side/Metal		0,45	
OPTICAL DENSITY	MACBETH TD931	-		2,2	
SURFACE TENSION	ASTM D2578	Dyne/cm	Topcoat Side	38	
			Peelable Side	-	
HEATSEAL RANGE	ASTM F88	°C		160-240	
		°F		320-464	
HEATSEAL STRENGTH to PP (190 °C, 4 MPa, 1 s)	Internal	N/15mm		5,0	

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 30ºC. It is also advised to use metallized films as 'First in, First Out' principle. In-line treatment and/or primering 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 intented 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

REV: 01 Date: 31.03.2021

SANKO

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