



PETMET BT 1031

Description

PETMET BT 1031 is a metallized biaxially oriented polyester (BOPET) film with excellent shiny metallic appearance and barrier properties. Non heat sealable. Metallized side is treated to give excellent adhesion for wide range of inks and lamination adhesives.

General purpose metallized film for printing, coating and lamination processes for flexible packaging applications. It is also an ideal substrate for decorative usages.

Primering onto metal surface for adequate ink adhesion is highly recommended for surface print applications. Please consult with your ink supplier for required primer grade.

Please contact our sales department if both sides treated version (BT 1032) is required.

Properties

- Excellent shiny metallic appearance
- Good metal adhesion
- Excellent barrier properties
- High reflectivity to UV light
- Attractive decorative effect
- Excellent stiffness and machinability
- Good dimensional stability
- · Excellent ink, coating and adhesive adhesion
- The film shelf life is 3 months



Factory & Head Office

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Technical Features

YIELD AS UNIT WEIGHT AS OXYGEN TRANSMISSION RATE	STM F 2251 STM D 4321 STM D 4321	Ga m ⁱ in²	cron auge ²/kg %Lbs	9 36 79,4	10 40 71,4	12 48	23 92	36 144	50 200
YIELD AS UNIT WEIGHT AS OXYGEN TRANSMISSION RATE	STM D 4321	m ⁱ in²	²/kg					144	200
UNIT WEIGHT AS		in²	-	79,4	71,4	50 F			
UNIT WEIGHT AS			// bs			59,5	31,1	19,8	14,3
OXYGEN TRANSMISSION RATE	STM D 4321		1203	55.800	50.200	41.800	21.800	13.900	10.000
OXYGEN TRANSMISSION RATE		g,	/m²	12,6	14,0	16,8	32,2	50,5	69,9
	ASTM D 3985	cc/m²/24hrs		< 4					
(23°C-0%RH)		cc/100in ² /24hrs		< 0,26					
WATER VAPOUR TRANSMISSION RATE	STM F 1249	g/m²/24hrs		< 0,4					
(38°C-90%RH)	STMF 1249	g/100in²/24hrs		< 0,026					
		MD	N/mm²	240 200					
TENSILE STRENGTH AT BREAK	ASTM D 882		lb/in²	34.800 29.000				000	
TENSILE STRENGTH AT BREAK		TD	N/mm²	260			260		
			lb/in²	37.700			37.700		
ELONGATION AT BREAK	ASTM D 882	MD	%	140			180		
		TD	70	110			120		
	ASTM D 1204	MD	MD %		2,0			1,0	
(150 °C, 30 min, air)		TD	70	0,5			0,5		
COEFFICIENT OF FRICTION AS	STM D 1894	Film/Film (Dynamic) < 0,70							
OPTICAL DENSITY MAC	BETH TD 931		- 2,2						

Floddel Identification (Decision 97/129/EC). FETT

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 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 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.

For related spec sheet with tolerance values, please contact our sales departments

STANDARD ROLL DIMENSIONS								
CORE INNER DIAMETER (ID)	ORE INNER DIAMETER (ID) CORE OUTER DIAMETER (OD)		WIDTH TOLERANCE					
76 mm (3 in) & 152 mm (6 in)	530 mm & 790 mm *	± % 10 for all OD's	- 0 & + 4 mm					

* 790 mm OD is available for BOPET films above 400 mm width



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