



PETMET

BT 1031 GFC

Description

BT 1031 GFC is a gold colored, metallized biaxially oriented polyester (BOPET) film. No heat seal property. Metallized side is treated.

It is designed for packaging and industrial applications.

Properties

- Excellent machinability
- Excellent metal adhesion
- Attractive decorative effect
- Excellent stiffness
- Good dimensional stability
- Excellent lamination adhesion
- Resistance to chemicals, greases and oils
- Excellent gloss

Applications

It can be used as a mono structure or a part of laminated structure.

It has gold effect and specially designed for lamination film with paper and cardboard for different box making applications.

It is also a good choice for gift and flower wrapping and different industrial & packaging applications.

Please be informed that metallization may not be high resistant to contact with water at long period. Hence, we advise to perform actual test to approve before long term usage at such applications.

www.alfocex.com

Technical Features

PROPERTIES	TEST METHOD	UNITS	BT 1031 GFC	
THICKNESS	ASTM F2251	micron	12	
		Gauge	48	
YIELD	ASTM D4321	m ² /kg	59,5	
		in ² /Lbs	41.800	
UNIT WEIGHT	ASTM D4321	g/m ²	16,8	
OXYGEN TRANSMISSION RATE (23°C-0%RH)	ASTM D3985	cc/m ² /24hrs	≤ 5	
		cc/100in ² /24hrs	≤ 0,32	
WATER VAPOUR TRANSMISSION RATE (38°C-90%RH)	ASTM F1249	g/m ² /24hrs	≤ 0,4	
		g/100in ² /24hrs	≤ 0,026	
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	Film/Film	0,40	
SURFACE TENSION	ASTM D2578	Dyne/cm Metallized Side Other Sides	46	
OPTICAL DENSITY	MACBETH TD931	-	2,0	

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.

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

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