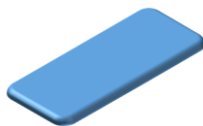




**TECHNICAL DATA SHEET**

**BIAXIALLY ORIENTED, BOTH SIDES TREATED NYLON**

**IMP402**



Biaxially Oriented Nylon  
Corona treated on both surfaces

A biaxially oriented polyamide film treated on both sides for print and lamination applications

**PRODUCT FEATURES**

- High impact strength and flexibility
- High oxygen barrier
- High gloss and transparency
- Excellent printability
- Suitable for use in a wide range of temperature applications
- Resistant to damage by acids, alkali's, organic solvents and fats

**APPLICATIONS**

- Can be used in a very wide range of food applications including retort, frozen and fresh.
- Suitable for use in many non-food applications such as packaging of objects with hard or sharp edges.

PROPERTIES	TEST METHOD	UNITS	IMP402
<b>GENERAL</b>			
Thickness*	ISO4593	ga	100
Density	ASTM D-792	g/cm <sup>3</sup>	1.14
Yield	ASTM D-4321	lb/ream	17.5
	ASTM D-4321	in <sup>2</sup> /lb	24650
Treatment	High treatment side	ISO8296	dynes/cm
	Low treatment side		
			39
<b>OPTICAL</b>			
Haze	ASTM D-1003	%	4.0
Gloss	ASTM D-2457	45°	100
<b>SURFACE</b>			
COF	Treated Side	ASTM D-1894	0.80
	Untreated side	ASTM D-1894	0.45
<b>MECHANICAL</b>			
Tensile Strength (at break)	MD	ASTM D-882	Psi
	TD	ASTM D-882	Psi
Elongation to Break	MD	ASTM D-882	%
	TD	ASTM D-882	%
<b>THERMAL</b>			
Shrinkage (320°F/5min)	MD	ASTM D-1204	%
	TD	ASTM D-1204	%
<b>BARRIER</b>			
Oxygen Transmission Rate	(73°F/0% RH)	ASTM F-1927	cc/m <sup>2</sup> /24h
Water Vapor Transmission Rate	(100°F/0% RH)	ASTM F-1249	gm/m <sup>2</sup> /24h

**Guidelines for storage**

High moisture is the primary cause of processing problems, so significant attention should be paid to the following advice:

1. The film is specially wrapped to exclude moisture and this should be preserved if film is stored. Do not open wrapping until rolls are being used.
2. If a part roll remains after use, it must be immediately sealed in aluminum foil wrapping to exclude moisture in storage.
3. Nylon film must be dry to be printable. Film which has not been stored correctly will show inferior ink key and adhesion properties.
4. Film should be printed in a dry, non-humid environment to avoid the film curling and taking up moisture.

*FDA Compliance: For information regarding food contact compliance, please contact your Impak Films representative*

Information in this publication refers to typical values of laboratory tests on samples from standard production. It is believed to be accurate and is given in good faith, but it is for the customer to satisfy themselves of the suitability of the material for their specific application. Accordingly, Impak Films gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. This document is not a product specification. Impak Films reserves the right to change the data sheet at any time without prior notification.

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