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**TECHNICAL SPECIFICATION SHEET (J-701)**

**DESCRIPTION:** J-701 grade of film is a transparent, one side corona treated, bi-axially oriented isotropic polyester film; film complies with FDA and EC regulations.

**APPLICATIONS:** Film is suitable for printing, coating and lamination, specially designed for lid application.

**SALIENT FEATURES:**

- Isotropic mechanical property
- High thermal stability and good machinability.

**TECHNICAL DATA**

PROPERTIES	TEST METHOD	UNIT	J701		
<b>PHYSICAL</b>					
Thickness	ASTM D 374	Micron (Gauge)	12 (48)	23 (92)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	59.5 (41800)	31 (21800)	
<b>OPTICAL</b>					
Haze (Max)	ASTM D 1003	%	3.5	4.0	
Total Luminous Transmission	ASTM D 1003	%	89	89	
<b>MECHANICAL</b>					
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm <sup>2</sup> (psi)	2000 (28500)	2000 (28500)
	TD		Kg/cm <sup>2</sup> (psi)	1900 (27000)	1900 (27000)
Elongation (Min)	MD	ASTM D 882	%	90	90
	TD		%	90	90
Coefficient of Friction (Side A / B) (Max)	St	ASTM D 1894	-	0.50	0.50
	Dy		-	0.45	0.40
<b>ISOTROPIC</b>					
Ratio OF TS (+45° / -45°)		–	0.6 – 1.4	0.6 – 1.4	
Ratio: (F30-Fy)/C	Internal	–	<21	<21	
<b>THERMAL</b>					
Shrinkage At 150°C / 30 min. (Max)	MD	ASTM D 1204	%	250	2.50
	TD		%	0.40	0.40
<b>SURFACE</b>					
Wetting tension (Min)	ASTM D 2578	dyne/cm	52	52	
<b>BARRIER</b>					
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	45 (3.0)	28 (1.8)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	110 (7.0)	70 (4.5)	

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. JINDAL POLY FILMS LIMITED suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.

JPFTM: JINDAL POLY FILMS TEST METHOD, MD: MACHINE DIRECTION, TD: TRANSVERSE DIRECTION

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