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TECHNICAL SPECIFICATION SHEET (J-700)

DESCRIPTION: J-700 grade of film is a transparent, untreated, 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	J700	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	12 (48)	23 (92)
Yield		JPFTM	m ² /kg (in ² /lb)	59.5 (41800)	31 (21800)
OPTICAL					
Haze (Max)		ASTM D 1003	%	3.5	4.0
Total Luminous Transmission		ASTM D 1003	%	89	89
MECHANICAL					
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	2000 (28500)	2000 (28500)
	TD		Kg/cm ² (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
ISOTROPIC					
Ratio OF TS (+45° / -45°)			–	0.6 – 1.4	0.6 – 1.4
Ratio: (F30-Fy)/C		Internal	–	<21	<21
THERMAL					
Shrinkage At 150°C / 30 min. (Max)	MD	ASTM D 1204	%	2.50	2.50
	TD		%	0.40	0.40
SURFACE					
Wetting tension		ASTM D 2578	dyne/cm	44-46	44-46
BARRIER					
WVTR (38 °C & 90% RH) (Max)		ASTM E-398	g / m ² / day (g / 100 inch ² / day)	45 (3.0)	28 (1.8)
OTR (23 °C & 0% RH) (Max)		ASTM D-3985	cc / m ² / day (cc / 100 inch ² / 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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