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TECHNICAL SPECIFICATION SHEET (J-222M4)

DESCRIPTION: High-density Metallized bi-axially oriented polyester film; Metallized on pre-coated co polyester surface and other side corona treated. Metallization on coated surface enhance metal adhesion.

APPLICATIONS: Suitable for flexible packaging application where high barrier and high metal bond is required

SALIENT FEATURES:

- High Metal Bond Strength
- Good Water Vapour and Gas Barrier properties
- Good Lamination Bond Strength
- Excellent Machinability

TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	J-222M4	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	10 (40)	12 (48)
Yield		JPFTM	m ² /kg (in ² /lb)	71.4 (50200)	59.5 (41800)
OPTICAL					
* Optical Density		By Tobias make Instrument	%	2.8 ± 6%	2.8 ± 6%
BOND STRENGTH					
Metal to PET Bond Strength		JPFTM	g /inch	350	350
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 (Metal to film) (Max)	St	ASTM D 1894	–	0.75	0.75
	Dy		–	0.70	0.70
THERMAL					
Shrinkage At 150 ^o C / 30 min. (Max)	MD	ASTM D 1204	%	2.8	2.8
	TD		%	0.4	0.4
SURFACE					
Wetting tension (Pre-Metallised surface)		ASTM D 2578	dyne/cm	56	56
Wetting tension (Corona surface) (Min)		ASTM D 2578	dyne/cm	52	52
BARRIER					
WVTR (38 ^o C & 90% RH) (Max)		ASTM E-398	g / m ² / day (g / 100 inch ² / day)	0.8 (0.052)	0.6 (0.04)
OTR (23 ^o C & 0% RH) (Max)		ASTM D 3985	cc / m ² / day (cc / 100 inch ² / day)	1.0 (0.065))	0.8 (0.052)

*These properties can be changed to meet the specific requirements of the customer.

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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