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TECHNICAL SPECIFICATION SHEET (J-450M0)

DESCRIPTION: Normal density metallised bi-axially oriented polyester film; Metallised on plain surface and other side plain. Film is thermally stable on higher temperature.

APPLICATIONS: Specially designed for Metallic yarn application.

SALIENT FEATURES:

- Good Metal Bond Strength
- High gloss
- Excellent dimensional/thermal stability.
- Excellent Machinability

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	J-450M0	
PHYSICAL				
Thickness	ASTM D 374	Micron (Gauge)	12 (48)	
Yield	JPFTM	m ² /kg (in ² /lb)	59.5 (41800)	
OPTICAL				
*Optical Density	By Tobias make Instrument	%	1.85 ± 10%	
BOND STRENGTH				
Metal to PET Bond Strength	JPFTM	g /inch	150	
MECHANICAL				
Tensile strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	2100 (30000)
	TD		Kg/cm ² (psi)	1900 (27000)
Elongation (Min)	MD	ASTM D 882	%	90
	TD		%	90
Coefficient of Friction (Metal to film) (Max)	St	ASTM D 1894	–	0.75
	Dy		–	0.70
THERMAL				
Shrinkage At 190 ⁰ C / 20 min. (Max)	MD	ASTM D 1204	%	4.5
	TD		%	Nil
SURFACE				
Wetting tension (Metallised surface) (Min)	ASTM D 2578	dyne/cm	54	

*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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