

**HEAD OFFICE:**

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**TECHNICAL SPECIFICATION SHEET (J-201M0)**

**DESCRIPTION:** Normal density metallised bi-axially oriented polyester film; Metallised on corona surface to enhance the metal adhesion and other side plain.

**APPLICATIONS:** Suitable for flexible packaging application, especially for higher gloss and barrier properties.

**SALIENT FEATURES:**

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

PROPERTIES			TEST METHOD	UNIT	TECHNICAL DATA	
					J-201M0	
<b>PHYSICAL</b>						
Thickness			ASTM D 374	Micron (Gauge)	10 (40)	12 (48)
Yield			JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	71.4 (50200)	59.5 (41800)
<b>OPTICAL</b>						
*Optical Density			By Tobias make Instrument	%	2.1 ± 5%	2.1 ± 5%
<b>BOND STRENGTH</b>						
Metal to PET Bond Strength			JPFTM	g /inch	200	200
<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 (Metal to film)	(Max)	St	ASTM D 1894	–	0.75	0.75
		Dy		–	0.70	0.70
<b>THERMAL</b>						
Shrinkage (150°C / 30 min)	(MAX)	MD	ASTM D 1204	%	2.8	2.8
		TD		%	0.4	0.4
<b>SURFACE</b>						
Wetting tension (Metallized surface)		(Min)	ASTM D 2578	dyne/cm	54	54
<b>BARRIER</b>						
WVTR (38 °C & 90% RH)		(Max)	ASTM E 1249	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	1.20 (0.08)	1.00 (0.065)
OTR (23 °C & 0% RH)		(Max)	ASTM D 3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	1.50 (0.10)	1.20 (0.08)

\*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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				<b>TECHNICAL DATA</b>	
<b>PROPERTIES</b>		<b>TEST METHOD</b>	<b>UNIT</b>	<b>J-201M0</b>	
<b>PHYSICAL</b>					
Thickness		ASTM D 374	Micron (Gauge)	19 (75)	
Yield		JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	37.5 (26500)	
<b>OPTICAL</b>					
*Optical Density		By Tobias make Instrument	%	2.2 ± 5%	
<b>BOND STRENGTH</b>					
Metal to PET Bond Strength		JPFTM	g /inch	200	
<b>MECHANICAL</b>					
Tensile strength (Min)	MD	ASTM D 882	Kg/cm <sup>2</sup> (psi)	2000 (28500)	
	TD		Kg/cm <sup>2</sup> (psi)	1900 (27000)	
Elongation (Min)	MD	ASTM D 882	%	90	
	TD		%	90	
Coefficient of Friction (Metal to film) (Max)	St	ASTM D 1894	–	0.70	
	Dy		–	0.65	
<b>THERMAL</b>					
Shrinkage (150°C / 30 min) (MAX)	MD	ASTM D 1204	%	2.8	
	TD		%	0.4	
<b>SURFACE</b>					
Wetting tension (Metallized surface) (Min)		ASTM D 2578	dyne/cm	52	
<b>BARRIER</b>					
WVTR (38 °C & 90% RH) (Max)		ASTM E 1249	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	0.8 (0.052)	
OTR (23 °C & 0% RH) (Max)		ASTM D 3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	1.0 (0.065)	

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

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