

**HEAD OFFICE:**

Plot No. – 12, Sector B1, Local Shopping Complex, Vasant Kunj,
New Delhi - 110 070 (INDIA).
Tel: 0091-11-26139256 – 265, Fax: 0091-11-26125739
Web site: www.jindalpoly.com

TECHNICAL SPECIFICATION SHEET (J-201M1)

DESCRIPTION: Normal density metallized bi-axially oriented polyester film; Metallized on plain surface and other side corona treated to enhance ink adhesion and lamination bond strength.

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

SALIENT FEATURES:

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

			TECHNICAL DATA			
PROPERTIES		TEST METHOD	UNIT	J-201M1		
PHYSICAL						
Thickness		ASTM D 374	Micron	10 (40)	12 (48)	
Yield		JPFTM	m ² /kg	71.4 (50200)	59.5 (41800)	
OPTICAL						
*Optical Density		By Tobias make Instrument	%	2.2 ± 5%	2.2 ± 5%	
BOND STRENGTH						
Metal Bond Strength		JPFTM	Gm/25mm	150	150	
MECHANICAL						
Tensile strength	(Min)	MD	ASTM D 882	Kg/cm ²	2000	2000 (28500)
		TD		Kg/cm ²	1900	1900 (27000)
Elongation	(Min)	MD	ASTM D 882	%	90	90
		TD		%	85	90
Coefficient of Friction (Metal to film)	(Max)	St	ASTM D 1894	–	0.75	0.75
		Dy		–	0.70	0.70
THERMAL						
Shrinkage (150°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	44	44	
Wetting tension (corona surface) (Min)		ASTM D 2578	dyne/cm	54	54	
BARRIER						
WVTR (38 °C & 90% RH)		(Max)	ASTM E-398	gm/m ² /24h	1.20 (0.08)	1.00 (0.065)
OTR (23 °C & 0% RH)		(Max)	ASTM D 3985	cc/m ² /24h	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

DESCRIPTION: Normal density metallized bi-axially oriented polyester film; Metallized on plain surface and other side corona treated to enhance ink adhesion and lamination bond strength.

WORKS:

28 - KM, Stone, Nashik - Igatpuri Road,
Village : Mundegaon, Maharashtra
Phone : + 91 2553 229100, 231002 / 3 / 5
Fax: + 91 2553 231004

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			TECHNICAL DATA			
PROPERTIES		TEST METHOD	UNIT	J-201M1		
PHYSICAL						
Thickness		ASTM D 374	Micron	23 (92)	36 (144)	
Yield		JPFTM	m ² /kg	31 (21800)	19.8 (13900)	
OPTICAL						
*Optical Density		By Tobias make Instrument	%	2.2 ± 5%	2.2 ± 5%	
BOND STRENGTH						
Metal Bond Strength		JPFTM	Gm/25mm	150	150	
MECHANICAL						
Tensile strength	(Min)	MD	ASTM D 882	Kg/cm ²	2000	1900
		TD		Kg/cm ²	1900	1800
Elongation	(Min)	MD	ASTM D 882	%	90	100
		TD		%	85	90
Coefficient of Friction (Metal to film)	(Max)	St	ASTM D 1894	–	0.75	0.75
		Dy		–	0.70	0.70
THERMAL						
Shrinkage (150°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	44	44	
Wetting tension (corona surface)		(Min) ASTM D 2578	dyne/cm	54	54	
BARRIER						
WVTR (38 °C & 90% RH)		(Max) ASTM E-398	gm/m ² /24h	0.90 (0.060)	0.80 (0.055)	
OTR (23 °C & 0% RH)		(Max) ASTM D 3985	cc/m ² /24h	1.00 (0.065)	1.0 (0.065)	

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