

**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-200M0)

DESCRIPTION: Normal density metallised bi-axially oriented polyester film; Metallised on plain surface 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

			TECHNICAL DATA		
PROPERTIES		TEST METHOD	UNIT	J-200M0	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	8 (32)	9 (36)
Yield		JPFTM	m ² /kg (in ² /lb)	89.2 (62700)	79.3 (55750)
OPTICAL					
*Optical Density		By Tobias make Instrument	%	2.1 ± 5%	2.1 ± 5%
BOND STRENGTH					
Metal to PET Bond Strength		JPFTM	g /inch	150	150
MECHANICAL					
Tensile strength	(Min)	MD	ASTM D 882	Kg/cm ² (psi)	1900 (27000)
		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 (150°C / 30 min)	(MAX)	MD	ASTM D 1204	%	2.8
		TD		%	0.4
SURFACE					
Wetting tension (Pre Metallized surface) (Min)		ASTM D 2578	dyne/cm	44	44
BARRIER					
WVTR (38 °C & 90% RH)		(Max)	ASTM E-398	g / m ² / day (g / 100 inch ² / day)	1.5 (0.10)
OTR (23 °C & 0% RH)		(Max)	ASTM D 3985	cc / m ² / day (cc / 100 inch ² / day)	2.0 (0.13)

*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

WORKS:

28 - KM, Stone, Nashik - Igatpuri Road,
Village : Mundegaon, Maharashtra
Phone : + 91 2553 229100, 231002 / 3 / 5
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PROPERTIES			TEST METHOD	UNIT	TECHNICAL DATA	
					J-200M0	
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	%	2.1 ± 5%	2.1 ± 5%
BOND STRENGTH						
Metal to PET Bond Strength			JPFTM	g /inch	150	150
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 (150°C / 30 min)	(MAX)	MD	ASTM D 1204	%	2.8	2.8
		TD		%	0.4	0.4
SURFACE						
Wetting tension (Pre Metallized surface) (Min)			ASTM D 2578	dyne/cm	44	44
BARRIER						
WVTR (38 °C & 90% RH)		(Max)	ASTM E-398	g / m ² / day (g / 100 inch ² / day)	1.20 (0.08)	1.00 (0.065)
OTR (23 °C & 0% RH)		(Max)	ASTM D 3985	cc / m ² / day (cc / 100 inch ² / day)	1.50 (0.10)	1.20 (0.08)

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			TECHNICAL DATA	
PROPERTIES	TEST METHOD	UNIT	J-200M0	
PHYSICAL				
Thickness	ASTM D 374	Micron (Gauge)	23 (92)	
Yield	JPFTM	m ² /kg (in ² /lb)	31 (21800)	
OPTICAL				
*Optical Density	By Tobias make Instrument	%	2.2 ± 5%	
BOND STRENGTH				
Metal to PET Bond Strength	JPFTM	g /inch	150	
MECHANICAL				
Tensile strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	2000 (28500)
	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 (150°C / 30 min) (MAX)	MD	ASTM D 1204	%	2.8
	TD		%	0.4
SURFACE				
Wetting tension (Pre Metallized surface) (Min)	ASTM D 2578	dyne/cm	44	
BARRIER				
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m ² / day (g / 100 inch ² / day)	0.90 (0.060)	
OTR (23 °C & 0% RH) (Max)	ASTM D 3985	cc / m ² / day (cc / 100 inch ² / day)	1.00 (0.065)	

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