



**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 (J200M0)**

**DESCRIPTION:**

Normal density metallization on plain side and other side plain

**APPLICATIONS:**

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

**SALIENT FEATURES:**

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

TECHNICAL DATA					
PROPERTIES		TEST METHOD	UNIT	J200M0	
<b>PHYSICAL</b>					
Thickness		ASTM D374	Micron	8	9
		ASTM D374	Gauge	32	36
Yield		JPFTM	m <sup>2</sup> /kg	89.3	79.4
		JPFTM	in <sup>2</sup> /lb	62700	55750
Grammage		JPFTM	gm/m <sup>2</sup>	11.2	12.6
<b>OPTICAL</b>					
Optical Density		By Tobias Make Instrument	-	2.1± 5%	2.1± 5%
<b>BOND STRENGTH</b>					
Metal Bond Strength		JPFTM	g/inch	150	150
<b>MECHANICAL</b>					
Tensile Strength	(MD) Min	ASTM D882	kg/cm <sup>2</sup>	1900	1900
	(MD) Min	ASTM D882	psi	27000	27000
	(TD) Min	ASTM D882	kg/cm <sup>2</sup>	1900	1900
	(TD) Min	ASTM D882	psi	27000	27000
Elongation	(MD)	ASTM D882	%	90	90
	(TD)	ASTM D882	%	90	90
Coefficient of Friction(Metal to Film) Max	Kinetic	ASTM D1894	-	0.7	0.7
<b>THERMAL</b>					
Shrinkage (150°C/30 min)	(MD) Max	ASTM D1204	%	2.8	2.8
	(TD) Max	ASTM D1204	%	0.4	0.4
<b>SURFACE</b>					
Treatment level (Metal side)		ASTM D2578	Dyne/cm	44	44
<b>BARRIER</b>					
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	g/m <sup>2</sup> /day	1.5	1.5
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	cc/m <sup>2</sup> /day	2	2

TECHNICAL DATA					
PROPERTIES		TEST METHOD	UNIT	J200M0	
<b>PHYSICAL</b>					
Thickness		ASTM D374	Micron	10	12
		ASTM D374	Gauge	40	48
Yield		JPFTM	m <sup>2</sup> /kg	71.4	59.5
		JPFTM	in <sup>2</sup> /lb	50200	41800
Grammage		JPFTM	gm/m <sup>2</sup>	14	16.8
<b>OPTICAL</b>					
Optical Density		By Tobias Make Instrument	-	2.1± 5%	2.1± 5%
<b>BOND STRENGTH</b>					
Metal Bond Strength		JPFTM	g/inch	150	150
<b>MECHANICAL</b>					
Tensile Strength	(MD) Min	ASTM D882	kg/cm <sup>2</sup>	2000	2000
	(MD) Min	ASTM D882	psi	28500	28500
	(TD) Min	ASTM D882	kg/cm <sup>2</sup>	1900	1900
	(TD) Min	ASTM D882	psi	27000	27000
Elongation	(MD)	ASTM D882	%	90	90
	(TD)	ASTM D882	%	90	90
Coefficient of Friction(Metal to Film) Max	Kinetic	ASTM D1894	-	0.7	0.7
<b>THERMAL</b>					
Shrinkage (150°C/30 min)	(MD) Max	ASTM D1204	%	2.8	2.8
	(TD) Max	ASTM D1204	%	0.4	0.4
<b>SURFACE</b>					
Treatment level (Metal side)		ASTM D2578	Dyne/cm	44	44
<b>BARRIER</b>					
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	g/m <sup>2</sup> /day	1.2	1
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	cc/m <sup>2</sup> /day	1.5	1.2

TECHNICAL DATA				
PROPERTIES		TEST METHOD	UNIT	J200M0
<b>PHYSICAL</b>				
Thickness		ASTM D374	Micron	23
		ASTM D374	Gauge	92
Yield		JPFTM	m <sup>2</sup> /kg	31.1
		JPFTM	in <sup>2</sup> /lb	21800
Grammage		JPFTM	gm/m <sup>2</sup>	32.2
<b>OPTICAL</b>				
Optical Density		By Tobias Make Instrument	-	2.1± 5%
<b>BOND STRENGTH</b>				
Metal Bond Strength		JPFTM	g/inch	150
<b>MECHANICAL</b>				
Tensile Strength	(MD) Min	ASTM D882	kg/cm <sup>2</sup>	2000
	(MD) Min	ASTM D882	psi	28500
	(TD) Min	ASTM D882	kg/cm <sup>2</sup>	1900
	(TD) Min	ASTM D882	psi	27000
Elongation	(MD)	ASTM D882	%	90
	(TD)	ASTM D882	%	90
Coefficient of Friction(Metal to Film) Max	Kinetic	ASTM D1894	-	0.7
<b>THERMAL</b>				
Shrinkage (150°C/30 min)	(MD) Max	ASTM D1204	%	2.8
	(TD) Max	ASTM D1204	%	0.4
<b>SURFACE</b>				
Treatment level (Metal side)		ASTM D2578	Dyne/cm	44
<b>BARRIER</b>				
Water Vapour Transmission Rate (38°C & 90% RH)	Max	ASTM E398	g/m <sup>2</sup> /day	0.9
Oxygen Gas Transmission Rate (23°C & 0% RH)	Max	ASTM D3985	cc/m <sup>2</sup> /day	1

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, Nasik - Igatpuri Road,  
Village : Mundegaon, Maharashtra  
Phone : + 91 2553 229100, 231002 / 3 / 5  
Fax: + 91 2553 231004