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-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

TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	J-201M0	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	08 (32)	9 (36)
Yield		JPFTM	m^2/kg (in^2 /lb)	89.2 (62700)	79.3 (55750)
OPTICAL					
*Optical Density		By Tobias make Instrument	%	2.2 ± 5%	2.2 ± 5%
BOND STRENGTH					
Metal to PET Bond Strength		JPFTM	g /inch	200	200
MECHANICAL					
Tensile strength (Min)	MD	ASTM D 882	Kg/cm^2 (psi)	1900 (27000)	1900 (27000)
	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 (MAX) (150^{0}C / 30 min)	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	54	54
BARRIER					
WVTR (38 ^{0}C & 90% RH) (Max)		ASTM E-398	g / m^2/ day (g / 100 $inch^2$/ day)	1.50 (0.10)	1.5 (0.10)
OTR (23 ^{0}C & 0% RH) (Max)		ASTM D 3985	cc / m^2/ day (cc / 100 $inch^2$/ day)	2.0 (0.13)	2.0 (0.13)

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

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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TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	J-201M0	
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	%	2.2 ± 5%	2.2 ± 5%
BOND STRENGTH					
Metal to PET Bond Strength		JPFTM	g /inch	200	200
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 (MAX) (150^{0}C / 30 min)	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	54	54
BARRIER					
WVTR (38 ^{0}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 ^{0}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	UNIT	J-201M0	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	19 (75)	23 (92)
Yield		JPFTM	m^2/kg (in^2 /lb)	37.5 (26500)	31 (21800)
OPTICAL					
*Optical Density		By Tobias make Instrument	%	2.2 ± 5%	2.2 ± 5%
BOND STRENGTH					
Metal Bond Strength		JPFTM	g /inch	200	200
MECHANICAL					
Tensile strength (Min)	MD	ASTM D 882	Kg/cm^2 (psi)	2000 (28500)	1900 (27000)
	TD		Kg/cm^2 (psi)	1900 (27000)	1800 (25600)
Elongation (Min)	MD	ASTM D 882	%	90	90
	TD		%	90	90
Coefficient of Friction (Metal to film) (Max)	St	ASTM D 1894	_	0.70	0.70
	Dy		_	0.65	0.65
THERMAL					
Shrinkage (MAX) (150^{0}C / 30 min)	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	54	54
BARRIER					
WVTR (38 ^{0}C & 90% RH) (Max)		ASTM E-398	g / m^2/ day (g / 100 $inch^2$/ day)	0.90 (0.060)	0.80 (0.055)
OTR (23 ^{0}C & 0% RH) (Max)		ASTM D 3985	cc / m^2/ day (cc / 100 $inch^2$/ day)	1.20 (0.08)	1.00 (0.065)

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TECHNICAL DATA

PROPERTIES		TEST	UNIT	J-201M0	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	36 (144)	50 (200)
Yield		JPFTM	m^2/kg (in^2 /lb)	19.8 (13900)	14.2 (10000)
OPTICAL					
*Optical Density		By Tobias make Instrument	%	2.2 ± 5%	2.2 ± 5%
BOND STRENGTH					
Metal Bond Strength		JPFTM	g /inch	200	150
MECHANICAL					
Tensile strength (Min)	MD	ASTM D 882	Kg/cm^2 (psi)	1900 (27000)	1800 (25600)
	TD		Kg/cm^2 (psi)	1800 (25600)	1800 (25600)
Elongation (Min)	MD	ASTM D 882	%	90	90
	TD		%	90	90
Coefficient of Friction (Metal to film) (Max)	St	ASTM D 1894	_	0.70	0.70
	Dy		_	0.65	0.65
THERMAL					
Shrinkage (MAX) (150^{0}C / 30 min)	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	54	54
BARRIER					
WVTR (38 ^{0}C & 90% RH) (Max)		ASTM E-398	g / m^2/ day (g / 100 $inch^2$/ day)	0.80 (0.055)	0.80 (0.055)
OTR (23 ^{0}C & 0% RH) (Max)		ASTM D 3985	cc / m^2/ day (cc / 100 $inch^2$/ day)	1.0 (0.065)	1.00 (0.065)

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