

**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-200)

DESCRIPTION: J-200 grade film is a transparent and untreated bi-axially oriented polyester film; film complies with FDA and EC regulations.

APPLICATIONS: Suitable for Printing, lamination & metallization.

SALIENT FEATURES:

- Good clarity
- Good Adhesion to inks
- Excellent Machinability
- Excellent Mechanical and thermal Properties
- Excellent for printing and lamination

TECHNICAL DATA

Properties	Test method	Unit	J-200			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	8 (32)	9 (36)	10 (40)	
Yield	JPFTM	m ² /kg (in ² /lb)	89.3 (62700)	79.4 (55700)	71.4 (50200)	
OPTICAL						
Haze (Max)	ASTM D-1003	%	3.0	3.0	3.5	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	2000 (28500)	2000 (28500)	2000 (28500)
	TD	ASTM D-882	Kg/cm ² (psi)	1900 (27000)	1900 (27000)	1900 (27000)
Elongation (Min)	MD	ASTM D-882	%	90	90	90
	TD	ASTM D-882	%	90	90	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.55	0.55	0.50
	Dy	ASTM D-1894	-	0.50	0.50	0.45
THERMAL						
Shrinkage (MAX) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.40	0.40	0.40
SURFACE						
Wetting tension	ASTM D-2578	Dyne / cm	44-46	44-46	44-46	
BARRIER						
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m ² / day (g / 100 inch ² / day)	75 (4.9)	65 (4.3)	55 (3.6)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m ² / day (cc / 100 inch ² / day)	175 (11.5)	150 (10)	130 (8.5)	

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
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Properties	Test method	Unit	J-200			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	12 (48)	15 (60)	19 (75)	
Yield	JPFTM	m ² /kg (in ² /lb)	59.5 (41800)	47.6 (33500)	37.5 (26300)	
OPTICAL						
Haze (Max)	ASTM D-1003	%	3.5	3.5	3.5	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	2000 (28500)	2000 (28500)	2000 (28500)
	TD	ASTM D-882	Kg/cm ² (psi)	1900 (27000)	1900 (27000)	1900 (27000)
Elongation (Min)	MD	ASTM D-882	%	90	90	90
	TD	ASTM D-882	%	90	90	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.45	0.45	0.45
THERMAL						
Shrinkage (MAX) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.40	0.40	0.40
SURFACE						
Wetting tension	ASTM D-2578	Dyne / cm	44-46	44-46	44-46	
BARRIER						
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m ² / day (g / 100 inch ² / day)	45 (3.0)	38 (2.5)	35 (2.3)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m ² / day (cc / 100 inch ² / day)	110 (7.0)	90 (5.8)	80 (5.2)	

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Properties	Test method	Unit	J200			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	23 (92)	36 (144)	50 (200)	
Yield	JPFTM	m ² /kg (in ² /lb)	31 (21800)	19.8 (13900)	14 (10000)	
OPTICAL						
Haze (Max)	ASTM D-1003	%	4.0	4.0	4.0	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	2000 (28500)	1900 (27000)	1900 (27000)
	TD	ASTM D-882	Kg/cm ² (psi)	1900 (27000)	1800 (25600)	1800 (25600)
Elongation (Min)	MD	ASTM D-882	%	90	100	100
	TD	ASTM D-882	%	90	90	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.45	0.45	0.45
THERMAL						
Shrinkage (MAX) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.40	0.40	0.40
SURFACE						
Wetting tension	ASTM D-2578	Dyne / cm	44-46	44-46	44-46	
BARRIER						
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m ² / day (g / 100 inch ² / day)	28 (1.8)	22 (1.4)	18 (1.2)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m ² / day (cc / 100 inch ² / day)	70 (4.5)	50 (3.2)	30 (2.0)	

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