

**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-201)**

**DESCRIPTION:** J-201 grade film is transparent, one side corona treated and other side plain bi-axially oriented polyester film; film complies with FDA and EC regulations.

**APPLICATIONS:** Suitable for Printing, lamination & Metallization.

**SALIENT FEATURES:**

- Improved Adhesion properties
- Excellent Machinability
- Excellent Mechanical and thermal Properties
- Excellent for printing and Metallization

**TECHNICAL DATA**

Properties	Test method	Unit	J-201			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron (Gauge)	8 (32)	9 (36)	10 (40)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	89.3 (62700)	79.4 (55700)	71.4 (50200)	
<b>OPTICAL</b>						
Haze (Max)	ASTM D-1003	%	3.0	3.0	3.5	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	2000 (28500)	2000 (28500)	2000 (28500)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (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	-	0.65	0.65	0.60
	Dy	ASTM D-1894	-	0.60	0.60	0.55
<b>THERMAL</b>						
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
<b>SURFACE</b>						
Wetting tension (treated side) (Min)	ASTM D-2578	Dyne / cm	54	54	54	
<b>BARRIER</b>						
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	75 (4.9)	65 (4.3)	55 (3.6)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	175 (11.5)	150 (10)	130 (8.5)	

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JPFTM: JINDAL POLY FILMS TEST METHOD, MD: MACHINE DIRECTION, TD: TRANSVERSE DIRECTION

**WORKS:**

28 - KM, Stone, Nashik - Igatpuri Road,  
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**TECHNICAL DATA**

Properties	Test method	Unit	J-201			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron (Gauge)	11 (44)	12 (48)	15 (60)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	64.9 (45650)	59.5 (41800)	47.6 (33500)	
<b>OPTICAL</b>						
Haze (Max)	ASTM D-1003	%	3.5	3.5	3.5	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	2000 (28500)	2000 (28500)	2000 (28500)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (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	-	0.60	0.60	0.60
	Dy	ASTM D-1894	-	0.50	0.50	0.50
<b>THERMAL</b>						
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
<b>SURFACE</b>						
Wetting tension (treated side) (Min)	ASTM D-2578	Dyne / cm	54	54	54	
<b>BARRIER</b>						
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	50 (3.2)	45 (3.0)	38 (2.5)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	125 (8.0)	110 (7.0)	90 (5.8)	

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**TECHNICAL DATA**

Properties	Test method	Unit	J-201			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron (Gauge)	19 (75)	23 (92)	36(144)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	37.5 (26300)	31 (21800)	19.8 (13900)	
<b>OPTICAL</b>						
Haze (Max)	ASTM D-1003	%	3.5	3.5	4.0	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	2000 (28500)	2000 (28500)	1900 (27000)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1900 (27000)	1900 (27000)	1800 (25600)
Elongation (Min)	MD	ASTM D-882	%	90	90	100
	TD	ASTM D-882	%	90	90	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.60	0.60	0.60
	Dy	ASTM D-1894	-	0.50	0.50	0.50
<b>THERMAL</b>						
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
<b>SURFACE</b>						
Wetting tension (treated side) (Min)	ASTM D-2578	Dyne / cm	54	54	54	
<b>BARRIER</b>						
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	35 (2.3)	28 (1.8)	22 (1.4)	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	80 (5.2)	70 (4.5)	50 (3.2)	

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Properties	Test method	Unit	J201		
<b>PHYSICAL</b>					
Thickness	ASTM D-374	Micron (Gauge)	50(200)		
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	14 (10000)		
<b>OPTICAL</b>					
Haze (Max)	ASTM D-1003	%	4.0		
Total luminous transmittance	ASTM D-1003	%	89		
<b>MECHANICAL</b>					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1900 (27000)	
	TD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1800 (25600)	
Elongation (Min)	MD	ASTM D-882	%	100	
	TD	ASTM D-882	%	90	
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.60	
	Dy	ASTM D-1894	-	0.50	
<b>THERMAL</b>					
Shrinkage (MAX) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	
	TD	ASTM D-1204	%	0.40	
<b>SURFACE</b>					
Wetting tension (treated side) (Min)	ASTM D-2578	Dyne / cm	54		
<b>BARRIER</b>					
WVTR (38 °C & 90% RH) (Max)	ASTM E-398	g / m <sup>2</sup> / day (g / 100 inch <sup>2</sup> / day)	18 (1.2)		
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m <sup>2</sup> / day (cc / 100 inch <sup>2</sup> / day)	30 (2.0)		

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