

**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-511)

DESCRIPTION: J511, One side chemically treated, clear film having smooth surface, excellent clarity and good handling property

APPLICATIONS: High clarity film suitable for high quality printing, lamination and other general-purpose application.

SALIENT FEATURES:

- High clarity and Transparency
- Excellent ink adhesion.
- High surface gloss
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

EXCELLENT DIMENSIONAL STABILITY										TECHNICAL DATA				
Properties			Test method		Unit		J-511							
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		%		1.2		1.2		1.5			
Total luminous transmittance			ASTM D-1003		%		90		90		90			
MECHANICAL														
Tensile strength (Min)		MD	ASTM D-882		Kg/cm ²		1900 (27000)		1900 (27000)		1800 (25600)			
		TD	ASTM D-882		Kg/cm ²		1800 (25600)		1800 (25600)		1800 (25600)			
Elongation (Min)		MD	ASTM D-882		%		90		90		100			
		TD	ASTM D-882		%		90		90		100			
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		%		2.50		2.50		2.50			
		TD	ASTM D-1204		%		0.40		0.40		0.40			
SURFACE														
Wetting tension (Min) (Treated side)			ASTM D-2578		Dyne / cm		40		40		40			
Electrical														
Volume Resistivity			ASTM D-256		Ohm cm		10^16		10^16		10^16			

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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- Excellent adhesion to solvent base ink.
- High surface gloss
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA						
Properties		Test method	Unit	J-511		
PHYSICAL						
Thickness		ASTM D-374	Micron (Gauge)	75 (300)	100 (400)	125 (500)
Yield		JPFTM	m ² /kg (in ² /lb)	9.5 (6680)	7.1(4990)	5.7 (4000)
OPTICAL						
Haze		ASTM D-1003	%	1.5	1.6	1.8
Total luminous transmittance		ASTM D-1003	%	90	90	90
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
Elongation (Min)	MD	ASTM D-882	%	120	120	120
	TD	ASTM D-882	%	100	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.40	0.40	0.40
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5	1.5
SURFACE						
Wetting tension (Min) (Treated side)		ASTM D-2578	Dyne / cm	40	40	40
Electrical						
Volume Resistivity		ASTM D-256	Ohm cm	10^16	10^16	10^16

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EXCELLENT DIMENSIONAL STABILITY						TECHNICAL DATA	
Properties		Test method		Unit		J-511	
PHYSICAL							
Thickness		ASTM D-374		Micron (Gauge)		175 (700) 250 (1000)	
Yield		JPFTM		m²/kg (in² /lb)		4.1 (2880) 2.9 (2040)	
OPTICAL							
Haze		ASTM D-1003		%		2.4 3.0	
Total luminous transmittance		ASTM D-1003		%		90 90	
MECHANICAL							
Tensile strength (Min)	MD	ASTM D-882		Kg/cm² (psi)		1700 (24200) 1600 (22800)	
	TD	ASTM D-882		Kg/cm² (psi)		1700 (24200) 1600 (22800)	
Elongation (Min)	MD	ASTM D-882		%		120 120	
	TD	ASTM D-882		%		100 100	
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894		-		0.50 0.50	
	Dy	ASTM D-1894		-		0.40 0.40	
THERMAL							
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204		%		2.5 2.5	
	TD	ASTM D-1204		%		1.5 1.5	
SURFACE							
Wetting tension (Min) (Treated side)		ASTM D-2578		Dyne / cm		40 40	
Electrical							
Volume Resistivity		ASTM D-256		Ohm cm		10^16 10^16	

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