

**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](http://www.jindalpoly.com)

**TECHNICAL SPECIFICATION SHEET (J-512)**

**DESCRIPTION:** J512, Both 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 application.

**SALIENT FEATURES:**

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

TECHNICAL DATA						
Properties		Test method	Unit	J-512		
PHYSICAL						
Thickness		ASTM D-374	Micron (Gauge)	50 (200)	75 (300)	100 (400)
Yield		JPFTM	m²/kg (in² /lb)	14 (10000)	9.5 (6680)	7.1(4990)
OPTICAL						
Haze		ASTM D-1003	%	1.5	1.5	1.6
Total luminous transmittance		ASTM D-1003	%	90	90	90
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm² (psi)	1800 (25600)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm² (psi)	1800 (25600)	1700 (24200)	1700 (24200)
Elongation (Min)	MD	ASTM D-882	%	100	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	%	0.4	1.5	1.5
SURFACE						
Wetting tension (Min)		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

**DESCRIPTION:** J512, Both side chemically treated, clear film having smooth surface, excellent clarity and good handling property

**WORKS:**

28 - KM, Stone, Nashik - Igatpuri Road,  
Village : Mundegaon, Maharashtra  
Phone : + 91 2553 229100, 231002 / 3 / 5  
Fax: + 91 2553 231004

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**TECHNICAL SPECIFICATION SHEET (J-512)**

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

**SALIENT FEATURES:**

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

**TECHNICAL DATA**

Properties		Test method	Unit	J-512		
PHYSICAL						
Thickness		ASTM D-374	Micron (Gauge)	125 (500)	175 (700)	250 (1000)
Yield		JPFTM	m²/kg (in² /lb)	5.7 (4000)	4.1 (2880)	2.9 (2040)
OPTICAL						
Haze		ASTM D-1003	%	1.8	2.4	3.0
Total luminous transmittance		ASTM D-1003	%	90	90	90
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm² (psi)	1700 (24200)	1700 (24200)	1600 (22800)
	TD	ASTM D-882	Kg/cm² (psi)	1700 (24200)	1700 (24200)	1600 (22800)
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)		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.

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