

**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-450)

DESCRIPTION: J-450 grade polyester film is a clear and untreated transparent film. Film has excellent dimensional stability at higher operating temperature.

APPLICATIONS:

- Metallic and plain yarn application

SALIENT FEATURES:

- High clarity and transparency
- Excellent Machinability
- Dimensionally stable at high operating temperatures.
- Excellent mechanical properties

TECHNICAL DATA

PROPERTIES	TEST METHOD	UNIT	J- 450		
PHYSICAL					
*Thickness	ASTM D 374	Micron (Gauge)	12 (48)	19 (75)	
Yield	JPFTM	m ² /kg (in ² /lb)	59.5 (41800)	37.5 (26300)	
OPTICAL					
Haze	ASTM D 1003	%	3.0	3.0	
Total Luminous Transmission	ASTM D 1003	%	89	89	
MECHANICAL					
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	2200 (31300)	2000 (28500)
	TD		Kg/cm ² (psi)	1900 (27000)	1900 (27000)
F 5 (Min)	MD	ASTM D 882	Kg/cm ² (psi)	1050 (14900)	1000 (14200)
	TD		Kg/cm ² (psi)	950 (13500)	950 (13500)
Elongation (Min)	MD	ASTM D 882	%	90	90
	TD		%	90	90
Coefficient of friction (Side-A / B) (Max)	St	ASTM D 1894	–	0.50	0.50
	Dy		–	0.45	0.45
THERMAL					
Shrinkage (190°C / 5 Min) (Max)	MD	ASTM D 1204	%	4.5	4.5
	TD		%	Nil	Nil
SURFACE					
Wetting tension (Min)	ASTM D 2578	dyne/cm	44	44	

* Other thickness can be offer as per customer requirement

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: J-450 grade polyester film is a clear and untreated transparent film. Film has excellent dimensional stability at higher operating temperature.

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 DATA

PROPERTIES	TEST METHOD	UNIT	J- 450		
PHYSICAL					
*Thickness	ASTM D 374	Micron (Gauge)	23 (92)	36 (144)	
Yield	JPFTM	m ² /kg (in ² /lb)	31 (21800)	19.8 (13900)	
OPTICAL					
Haze	ASTM D 1003	%	3.0	3.5	
Total Luminous Transmission	ASTM D 1003	%	89	89	
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)
F 5 (Min)	MD	ASTM D 882	Kg/cm ² (psi)	1000 (14200)	1000 (14200)
	TD		Kg/cm ² (psi)	950 (13500)	950 (13500)
Elongation (Min)	MD	ASTM D 882	%	90	100
	TD		%	90	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D 1894	–	0.50	0.50
	Dy		–	0.45	0.45
THERMAL					
Shrinkage (190°C / 5 Min) (Max)	MD	ASTM D 1204	%	4.5	4.5
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