

**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-400)

DESCRIPTION: J400 is co extruded transparent and intermediate hazy polyester film having excellent surface and good handling property.

APPLICATIONS: Suitable for electrical insulation and other general application.

SALIENT FEATURES:

- Good transparency.
- Good insulation property
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA

Properties		Test method	Unit	J-400		
PHYSICAL						
Nominal 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	%	5	6	7
Total luminous transmittance		ASTM D-1003	%	88	88	88
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	-	0.40	0.40	0.40
	Dy	ASTM D-1894	-	0.30	0.30	0.30
THERMAL						
Shrinkage (Max) (150 ⁰ C / 30 min)	MD	ASTM D-1204	%	2.5	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5	1.5
ELECTRICAL						
Break Down Voltage		ASTM D-149	KV	13	15	17
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
Fax: + 91 2553 231004

**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-400)

DESCRIPTION: J400 is co extruded transparent and intermediate hazy polyester film having excellent surface and good handling property.

APPLICATIONS: Suitable for electrical insulation and other general application.

SALIENT FEATURES:

- Good transparency.
- Good insulation property
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA

Properties		Test method	Unit	J-400		
PHYSICAL						
Nominal Thickness		ASTM D-374	Micron (Gauge)	175 (700)	190 (760)	250 (1000)
Yield		JPFTM	m ² /kg (in ² /lb)	4.1 (2880)	3.7 (2600)	2.9 (2040)
OPTICAL						
Haze		ASTM D-1003	%	8	9	12
Total luminous transmittance		ASTM D-1003	%	88	88	88
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1600 (22800)
	TD	ASTM D-882	Kg/cm ² (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	-	0.40	0.40	0.40
	Dy	ASTM D-1894	-	0.30	0.30	0.30
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
ELECTRICAL						
Break Down Voltage		ASTM D-149	KV	18	20	22
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
Fax: + 91 2553 231004