

HEAD OFFICE:

Plot No. – 12, Sector B1,
Local Shopping Complex, Vasant Kunj,
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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°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/inch	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,
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TECHNICAL DATA

Properties	Test method	Unit	J-400		
PHYSICAL					
Nominal Thickness	ASTM D-374	Micron (Gauge)	190 (760)	250 (1000)	
Yield	JPFTM	m ² /kg (in ² /lb)	3.7 (2600)	2.9 (2040)	
OPTICAL					
Haze	ASTM D-1003	%	9	12	
Total luminous transmittance	ASTM D-1003	%	88	88	
MECHANICAL					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1600 (22800)
	TD	ASTM D-882	Kg/cm ² (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	-	0.40	0.40
	Dy	ASTM D-1894	-	0.30	0.30
THERMAL					
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5
Electrical					
Break Down Voltage	ASTM D-149	KV/inch	20	22	
Volume Resistivity	ASTM D-256	Ohm cm	10 ¹⁶	10 ¹⁶	

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