

HEAD OFFICE:

Plot No. – 12, Sector B1,
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New Delhi - 110 070 (INDIA).
Tel: 0091-11-26139256 – 265
Fax: 0091-11-26125739
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TECHNICAL SPECIFICATION SHEET (J-405)

DESCRIPTION: J-405 grade of polyester film is a hazy and both side untreated bi-axially oriented polyester film. Film is thermally stable.

APPLICATIONS:

- Flexible packaging applications
- Electrical applications (wire and cable insulation)
- FRP / GRP applications
- General purpose use and other industrial applications

SALIENT FEATURES:

- Excellent Machinability
- Excellent Mechanical and thermal Properties

TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	J- 405		
PHYSICAL						
Thickness		ASTM D 374	Micron (Gauge)	19 (76)	23 (92)	30 (120)
Yield		JPFTM	m ² /kg (in ² /lb)	37.5 (26400)	31 (21800)	23.8 (16700)
OPTICAL						
Haze		ASTM D 1003	%	4 ~ 5	4 ~ 5	4 ~ 5
Total Luminous Transmission		ASTM D 1003	%	88	88	88
MECHANICAL						
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	2000 (28500)	2000 (28500)	2000 (28500)
	TD		Kg/cm ² (psi)	1900 (27000)	1900 (27000)	1900 (27000)
Elongation (Min)	MD	ASTM D 882	%	90	90	100
	TD		%	90	90	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D 1894	–	0.50	0.50	0.50
	Dy		–	0.45	0.45	0.45
THERMAL						
Shrinkage (150°C / 30 Min) (Max)	MD	ASTM D 1204	%	2.5	2.5	2.5
	TD		%	0.4	0.4	0.4
SURFACE						
Wetting tension (Min)		ASTM D 2578	dyne/cm	44	44	44
ELECTRICAL						
Break Down Voltage		ASTM D-149	KV	4.5	6.0	7.0

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
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TECHNICAL DATA

PROPERTIES		TEST METHOD	UNIT	J- 405	
PHYSICAL					
Thickness		ASTM D 374	Micron (Gauge)	36 (144)	50 (200)
Yield		JPFTM	m ² /kg (in ² /lb)	19.8 (13900)	14 (10000)
OPTICAL					
Haze		ASTM D 1003	%	5 ~ 6	6 ~ 7
Total Luminous Transmission		ASTM D 1003	%	88	88
MECHANICAL					
Tensile Strength (Min)	MD	ASTM D 882	Kg/cm ² (psi)	1900 (27000)	1900 (27000)
	TD		Kg/cm ² (psi)	1800 (25600)	1800 (25600)
Elongation (Min)	MD	ASTM D 882	%	100	100
	TD		%	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D 1894	–	0.50	0.50
	Dy		–	0.45	0.45
THERMAL					
Shrinkage (150°C / 30 Min) (Max)	MD	ASTM D 1204	%	2.5	2.5
	TD		%	0.4	0.4
SURFACE					
Wetting tension (Min)		ASTM D 2578	dyne/cm	44	44
ELECTRICAL					
Break Down Voltage		ASTM D-149	KV	7.5	9.5

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