

**HEAD OFFICE:**

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Tel: 0091-11-26139256 – 265  
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**TECHNICAL SPECIFICATION SHEET (J-470)**

**DESCRIPTION:** J470 is co extruded tough milky white film having excellent surface and good electrical property.

**APPLICATIONS:** Suitable for insulation in rotating electrical machine and other general application.

**SALIENT FEATURES:**

- Tough flexibility to prevent delamination.
- Good insulation property
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA						
Properties	Test method	Unit	J-470			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron (Gauge)	100 (400)	125 (500)	190 (760)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	7.1(4990)	5.7 (4000)	3.7 (2600)	
<b>OPTICAL</b>						
Haze	ASTM D-1003	%	65	70	80	
Total luminous transmittance	ASTM D-1003	%	80	75	71	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1700 (24200)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (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	-	0.35	0.35	0.35
	Dy	ASTM D-1894	-	0.30	0.30	0.30
<b>THERMAL</b>						
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
<b>Electrical</b>						
Break Down Voltage	ASTM D-149	KV/inch	15	17	20	
Volume Resistivity	ASTM D-256	Ohm cm	10 <sup>^</sup> 16	10 <sup>^</sup> 16	10 <sup>^</sup> 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:**

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**TECHNICAL DATA**

Properties	Test method	Unit	J-470		
<b>PHYSICAL</b>					
Thickness	ASTM D-374	Micron (Gauge)	250 (1000)	350 (1400)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	2.9 (2040)	2.1 (1440)	
<b>OPTICAL</b>					
Haze	ASTM D-1003	%	90	100	
Total luminous transmittance	ASTM D-1003	%	67	63	
<b>MECHANICAL</b>					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1600 (22800)	1600 (22800)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1600 (22800)	1600 (22800)
Elongation (Min)	MD	ASTM D-882	%	140	150
	TD	ASTM D-882	%	120	130
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.35	0.35
	Dy	ASTM D-1894	-	0.30	0.30
<b>THERMAL</b>					
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5
<b>Electrical</b>					
Break Down Voltage	ASTM D-149	KV/inch	22	26	
Volume Resistivity	ASTM D-256	Ohm cm	10 <sup>16</sup>	10 <sup>16</sup>	

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