

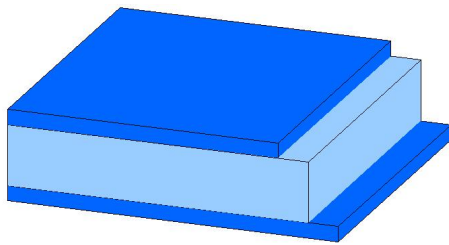





## Polyfilm Polyplex Polyester Films

### Type: MW100 (milky white PET) 75my

Polyfilm Milky White MW100 grade Polyester film specially developed as an insulating material for rotating electrical motors, exhibits superior thermal ageing performance compared to normal polyester films. It has excellent slip and dimensional stability over a wide range of temperatures.

### Composition



-  standard surface
-  core layer
-  standard surface

### Typical Properties

Provisional data

Property	Units	Nominal	Method	Conditions
<b>Mechanical Properties</b>				
Nominal thickness	μ	75	Polyplex Method	
Unit weight	g/m <sup>2</sup>	105		
Yield	m <sup>2</sup> /kg	9.5	Polyplex method	
Elongation at break	MD %	190	ASTM D-882	
	TD %	170		
Tensile strength	MD kg/cm <sup>2</sup>	1700	ASTM D-882	
	TD kg/cm <sup>2</sup>	1900		
<b>Thermal Properties</b>				
Heat shrinkage	MD %	1.0	ASTM D-1204	150 Deg. C/30 min.
	TD %	0.4		

Property	Units	Nominal	Method	Conditions
<b>Surface Properties</b>				
Surface tension	Dyne/cm	42	ASTM D-2578	
Co-efficient of friction (A/B) static		0.38	ASTM D-1894	
Co-efficient of friction (A/B) dynamic		0.28	ASTM D-1894	
<b>Physical/Chemical Properties</b>				
Light transmission	%	85	ASTM D-1003	
<b>Optical Properties</b>				
Haze	%	60.0	ASTM D-1003	
<b>Electrical Properties</b>				
Break down voltage	KV	13.0	ASTM D-149	
Volume resistivity	Ohm cm	10 <sup>16</sup>	ASTM D-149	
Surface resistivity	Ohm	10 <sup>12</sup>	ASTM D-149	

## Disclaimer

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