

Product Information Sheet

Product

Polymex® PI600

Product Description

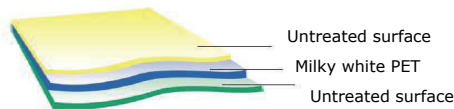
Polymex® PI600 is an opaque, untreated milky white polyester film. Polymex® PI600 is ideal for use as an electrical insulator in machines and appliances due to the high dielectric strength and large volume resistance (self-test recommended).

Available in thicknesses 125 – 350 micron, sheets supplied to order, minimum order quantities may apply.

Key Features

- Electrical insulation material
- Ideal for forming, lamination, deep drawing and die-cutting
- High dielectric strength and large volume resistance

Structure of Polymex® PI600



Property	Test Method	Unit	Value		
Film Thickness	-	micron	125	250	350
Film Yield	-	M ² /Kg	5.7	2.8	1.4
Unit Weight	-	g/m ²	175	357	500
Insulation class in electrical engineering	DIN 40634	-	B		
Tensile strength at break MD TD	ASTM D 822-83	Kgf/mm ²	200 230	200 200	160 180
Elongation at break MD TD	ASTM D 1897-78	%	170 120	200 170	230 170
Dielectric constant	DIN 40634	-	3.3	3.3	3.6
Surface resistance	DIN 53482	Ω	> 5 × 10 ¹⁴ > 1 × 10 ¹⁴ > 1 × 10 ¹²		
Shrinkage MD TD	at 150°C	%	1.0 0.3		

'MD' - Machine direction. 'TD' - Transverse direction

Applications

Polymex PI600 can be formed in both warm and cold states, laminated to various materials, die-cut as well as being an insulator for windings heads and single phase insulation.

The information above is given in good faith and should be considered as a guide not a specification.



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