

Product Information Sheet

Product

Polymex® PN400

Product Description

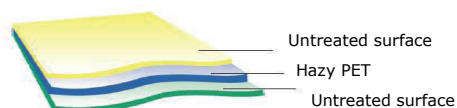
Polymex® PN400 polyester film is a flexible, hazy untreated film and suitable for many industrial applications. Polymex® PN400 is primarily used for release applications, office supplies, electrical insulation and industrial laminations with other flexible materials (self-test recommended).

Available in thicknesses 75 – 500 micron.

Key Features

- High tensile strength (~210 MPa > 190mic)
- Ideal for electrical insulation and industrial applications
- Good for laminating with other flexible materials

Structure of Polymex® PN400



Property	Test Method	Unit	Value	
Film Thickness	-	micron	190	500
Film Yield	-	M ² /Kg	3.8	1.4
Unit Weight	-	g/m ²	263	714
Haze	ASTM D 1003-61 Gardner hazemeter	%	82	97
Tensile strength at break MD TD	ASTM D 882	N/mm ²	190 220	150 170
Elongation at break MD TD	ASTM D 882	%	190 140	270 240
Modulus MD TD	ASTM D 882	Mpa	3300 3700	2600 2800
Dielectric strength	ASTM D 149	kV (minimum)	17.5	20
Shrinkage MD TD	150°C, 30 min	%	1.3 1.3	0.9 0.9

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

Applications

Polymex® PN400 has a tensile strength which averages 210MPa, has excellent resistance to moisture and most chemicals. Polymex® PN400 can also withstand temperature extremes from -70°C to 150°C, contains no plasticisers and does not become brittle with age under normal conditions.

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



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+44 (0) 20 7740 9740
www.electricalinsulation.org.uk