

DuPont™ Nomex® Type 993, 40 mil Nominal Thickness Medium-Density Aromatic Nylon Pressboard

Category : Polymer , Thermoplastic , Nylon , Nylon, Aromatic

Material Notes:

Type 993 is a medium-density pressboard which offers a balance of rigidity and conformability along with outstanding saturability and excellent properties in air and oil. Typical applications include 3-dimensional parts such as V-rings, angle rings and spools, as well as barrier, gap spacers and core tubes. Information provided by DuPont

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Nomex-Type-993-40-mil-Nominal-Thickness-Medium-Density-Aromatic-Nylon-Pressboard.php

Physical Properties	Metric	English	Comments
Density	0.700 g/cc	0.0253 lb/in ³	Calculated number using basis weight and thickness
Thickness	1070 microns	42.1 mil	ASTM D374, method D, using 17 N/cm ²
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D3392
	@Temperature 105 °C	@Temperature 221 °F	
	0.011 cm/cm	0.011 in/in	ASTM D3392
	@Temperature 240 °C	@Temperature 464 °F	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	ASTM D3392
	@Temperature 105 °C	@Temperature 221 °F	
	0.016 cm/cm	0.016 in/in	ASTM D3392
	@Temperature 240 °C	@Temperature 464 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	35.3 MPa	5120 psi	ASTM D828
Film Tensile Strength at Yield, TD	29.6 MPa	4290 psi	ASTM D828
Film Elongation at Yield, MD	11.9 %	11.9 %	ASTM D828
Film Elongation at Yield, TD	12.7 %	12.7 %	ASTM D828

Electrical Properties	Metric	English	Comments
Dielectric Strength	21.0 kV/mm	533 kV/in	AC rapid rise in air; ASTM D149

Descriptive Properties	Value	Comments
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Basis Weight (g/m ²) Descriptive Properties	ASTM D3392 Value	Comments
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