

Pyrotek TS-82 Thermoset Electrical Insulation Product (Nema Grade: XXX)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic

Material Notes:

Paper reinforcement, Phenolic Resin, Natural Color. High humidity resistance, Excellent resistance to splitting. Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-TS-82-Thermoset-Electrical-Insulation-Product-Nema-Grade-XXX.php

Physical Properties	Metric	English	Comments
Density	1.313 g/cc	0.04744 lb/in ³	
Water Absorption	0.50 %	0.50 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	159 MPa	23100 psi	
Compressive Strength	303 MPa	43900 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	138 °C	280 °F	Continuous

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+13 ohm-cm	3.00e+13 ohm-cm	
Dielectric Strength	19.0 kV/mm	483 kV/in	
Arc Resistance	124 sec	124 sec	

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