

Pyrotek NT-C Electrical Insulating Material

Category : Ceramic

Material Notes:

NT-C offers superior arc and heat resistance properties, with adequate strength properties to withstand mechanical stress and hold up in severe electrical insulating applications. NT-C does not promote combustion and will not ignite. Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-NT-C-Electrical-Insulating-Material.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.30 g/cc	2.30 g/cc	
Water Absorption	<= 0.50 %	<= 0.50 %	with silicone treatment
	8.6 %	8.6 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	35.0 MPa	5080 psi	
Compressive Strength	138 MPa	20000 psi	
Izod Impact, Notched	1.12 J/cm	2.10 ft-lb/in	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.140 W/m-K	0.972 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	550 °C	1020 °F	Continuous use
	750 °C	1380 °F	
Flammability, UL94	V-0	V-0	V-0

Electrical Properties	Metric	English	Comments
Dielectric Strength	6.00 kV/mm	152 kV/in	
Arc Resistance	>= 420 sec	>= 420 sec	

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