

Specialty Materials Hy-Bor Boron/Graphite Hybrid Prepreg Tape

Category : Polymer , Thermoset , Epoxy

Material Notes:

Boron & Graphite prepreg. Combining Specialty Materials' boron fiber with graphite prepreg, Hy-Bor® is a high-performance material with exceptional properties. Available with 4.0 and 5.6 mil boron fibers, Hy-Bor material can be manufactured to incorporate any commercially available graphite prepreg. By altering the spacing of the boron fiber in the prepreg, performance properties and material costs can be tailored to meet the needs of a variety of demanding applications. Information provided by Specialty Materials, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Specialty-Materials-Hy-Bor-BoronGraphite-Hybrid-Prepreg-Tape.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1896 MPa	275000 psi	
Elongation at Yield	0.80 %	0.80 %	
Modulus of Elasticity	241 GPa	35000 ksi	
Flexural Yield Strength	2413 MPa	350000 psi	
Flexural Modulus	214 GPa	31000 ksi	
Compressive Yield Strength	2756 MPa	399700 psi	
Compressive Modulus	241 GPa	35000 ksi	
Shear Strength	103 MPa	14900 psi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	177 Â°C	351 Â°F	

Processing Properties	Metric	English	Comments
Processing Temperature	121 Â°C	250 Â°F	

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