

MATERIAL DATA SHEET

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KILL-A-VOLT GRADE: SGE-522HT

DESCRIPTION

This material offers the same quality and cost effectiveness as Grade 521 KILL-A-VOLT™ with added dimensional stability at higher operating temperatures, (400°F).

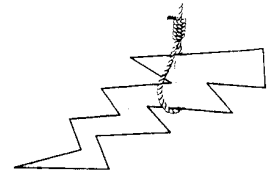
ENGINEERING DATA

Kill-A-Volt Grade: SGE-522HT

Reinforcement: Fiberglass Cloth

Matrix: Semi-conductive High Temperature Epoxy

KILL-A-VOLT™



<u>PROPERTY</u>	<u>TEST CONDITION</u>	<u>UNITS</u>	<u>TYPICAL VALUE</u>
Density	A	gms/cc	1.80
Tensile Strength	A		
lengthwise		psi	40,000
crosswise		psi	35,000
Flexural Strength	A		
lengthwise		psi	65,000
crosswise		psi	50,000
Flexural Modulus			
lengthwise	A	psi	1,500,000
Impact Strength			
Izod, Edgewise			
lengthwise	E-48/50,T25	ft-lb/in notch	12
crosswise	E-48/50,T25	ft-lb/in notch	9
Compressive Strength	A	psi	55,000
Rockwell Hardness	A	M-scale	110
Insulation Resistance	A	Ohms	500
Surface Resistance	A	Ohms/Sqr	500 - 10,000
Thermal Expansion		PPM/°F	7.0
Water Absorption			
.062	E-1/105+D24/23	Percent	0.1
.125	E-1/105+D24/23	Percent	0.06
Heat Resistance			
short term		°F	450
continuous		°F	400

Values shown are for test samples made from production materials and are believed to be representative. THERE IS NO WARRANTY, EXPRESSED OR IMPLIED. The purchaser/end user assumes all responsibility for testing and determining the suitability of any material for its intended use.