



MC511SN

TECHNICAL DATA BULLETIN

GRADE: MC511SN

NEMA GRADE: --

U. L. LISTED: N

DESCRIPTION: MC511SN, StatNot™, is a static dissipative epoxy, woven glass based material with excellent control of the static dissipative properties. This material is used where static dissipation is required from surfaces to surface of the composite, in the x, y and z directions.

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Density	lb/in ³	0.069
Specific Gravity	--	1.8
Moisture Absorption (.125")	%	0.05
Rockwell Hardness (.125")	M Scale	110
Tensile Strength (.125") LW	psi	46,000
Compressive Strength flatwise (.125")	psi	51,000
Flexural Strength (.125") LW	psi	63,000
Bonding Strength (.500")	lb	2,500
Izod Impact Strength E-48/50 (.125") LW	ft-lb/in	12.0
Flatwise Shear Strength (.125")	psi	22,000

THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE
Temperature Index (mechanical) ¹	°C	180
Volume Resistivity	Ω-cm	4 x 10 ⁷
Surface Resistivity	Ω/Sq	1.5 x 10 ⁷
Static Decay (EIA-541, NFPA 99)	sec	< 2
Coefficient of Thermal Expansion LW	in/in/°F	18 x 10 ⁻⁶
CW		36 x 10 ⁻⁶

¹ NEMA LI-6: This temperature is a recommendation only, and based upon experience in various applications. The maximum operating temperature is dependent upon the application and should be investigated prior to use.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values".