

RM511A

TECHNICAL DATA BULLETIN

GRADE: RM511A

NEMA LI 1-1998 GRADE: G-11 Type

U.L. LISTED: N

DESCRIPTION: Rolled and Molded Rods made from a glass fabric with a high temperature epoxy resin system. RM511A has equivalent electrical properties to G-10 rods, but with higher mechanical strength at elevated temperatures. RM511A is certifiable to IEC 61212-3-3 EP GC 41 and ANSI/NEMA IM 60000-2021 Grade G-11, . RM511A is not flame resistant.

TYPICAL PROPERTIES

	UNITS	VALUE ¹		
		Diameter Tested		
		0.500"		
PHYSICAL PROPERTIES				
Specific Gravity	-		1.85	
Rockwell Hardness	M Scale		110	
Moisture Absorption Condition D ₁ -24/23	%		0.08	
Flexural Strength Condition A	psi		85,300	
	psi		75,800	
Tensile Strength Condition A	psi		55,900	
Compressive Strength Condition A	psi		73,600	
THERMAL PROPERTIES				
Temperature Index ²	Electrical / Mechanical	°C	170 / 180	
Flammability Rtg. (UL 94) Condition A	Class		HB	
ELECTRICAL PROPERTIES				
Dissipation Factor Condition A	-		0.004	
Permittivity Condition A	-		4.30	
Electric Strength Condition A	Volts/mil		134	

¹ All testing performed to ASTM D-349 unless otherwise indicated.

² 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".

To assure the material's performance is adequate for a specific application; customers should verify, independent of Norplex-Micarta, performance characteristics of interest.

It is the responsibility of the users of this information to make sure that they have the latest version of this TDB, and are urged to contact Customer Service, or preferably our web site, www.norplex-micarta.com, to determine if information is the most current.

Specification writers: Contact Norplex-Micarta for specification values before submission.