RM511A

TECHNICAL DATA BULLETIN

GRADE: RM511A **NEMA 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. G-11 rods are not recognized by NEMA; however, they are recognized by the IEC Standard 61212; grade EP-GC-22. RM511A has equivalent electrical properties to G-10 rods, but with higher mechanical strength at elevated temperatures. Electrical properties are maintained in high humidity conditions. 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 A	%		0.08	
Flexural Strength	Condition A	psi		85,300	
	Condition T155	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".

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.