

RM505

TECHNICAL DATA BULLETIN

GRADE: RM505

NEMA GRADE: G-5

U.L. LISTED: N

DESCRIPTION: Rolled and Molded Rods made from a plain weave, medium weight glass fabric combined with a melamine resin system. RM505 is used for mechanical and electrical applications, at low voltages. It has very good thermal and arc resistance properties.

TYPICAL PROPERTIES

		UNITS	VALUE ¹		
			Diameter Tested		
				0.500"	
PHYSICAL PROPERTIES					
Specific Gravity		-		1.95	
Rockwell Hardness		M Scale		110	
Moisture Absorption	Condition D ₁ -24/23	%		0.70	
Flexural Strength	Condition A	psi		54,500	
Tensile Strength	Condition A	psi		32,300	
Compressive Strength	Condition A	psi		60,900	
THERMAL PROPERTIES					
Temperature Index ²					
Electrical / Mechanical		°C		120 / 140	
Flammability Rtg. (UL 94)	Condition A	Class		V-0	

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.

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