



Global Thermoset Composite Solutions

RM320LE

TECHNICAL DATA BULLETIN

GRADE: RM320LE

NEMA GRADE: LE

U.L. LISTED: N

DESCRIPTION: Rolled and Molded Rods made from a fine weave (linen) cotton fabric combined with a phenolic resin system. RM320LE is used for electrical and mechanical applications, meeting NEMA LE requirements.

TYPICAL PROPERTIES

		UNITS	VALUE ¹		
			Diameter Tested		
				0.500"	
PHYSICAL PROPERTIES					
Specific Gravity		-		1.35	
Rockwell Hardness		M Scale		80	
Moisture Absorption	Condition D ₁ -24/23	%		0.85	
Flexural Strength	Condition A	psi		20,100	
Tensile Strength	Condition A	psi		9,400	
Compressive Strength	Condition A	psi		29,000	
THERMAL PROPERTIES					
Temperature Index ²					
Electrical / Mechanical		°C		115 / 125	
Flammability Rtg. (UL 94)	Condition A	Class		HB	

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.