



Global Thermoset Composite Solutions

RM320H

TECHNICAL DATA BULLETIN

GRADE: RM320H

NEMA LI 1-1998 GRADE: LE

U.L. LISTED: N

DESCRIPTION: Being a heat treated version of RM320, RM320H Rolled and Molded Rods are made from a fine weave (linen) cotton fabric combined with a phenolic resin system. RM320H is used for electrical and mechanical applications. In addition to meeting NEMA LE, RM320H meets ANSI/NEMA IM 60000-2021 Grade LE, MIL-I-24768/13 FBE and ASTM D709 Type II Grade LE requirements.

TYPICAL PROPERTIES

		UNITS	VALUE ¹		
			Diameter Tested		
				0.500"	
PHYSICAL PROPERTIES					
Specific Gravity		-		1.36	
Rockwell Hardness		M Scale		95	
Moisture Absorption	Condition D ₁ -24/23	%		0.80	
Flexural Strength	Condition A	psi		20,000	
Tensile Strength	Condition A	psi		11,000	
Compressive Strength	Condition A	psi		29,000	
Compressive Modulus	Condition A	kpsi		423	
THERMAL PROPERTIES					
Temperature Index ²					
Electrical / Mechanical		°C		135 / 135	
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.

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.