

RM130

TECHNICAL DATA BULLETIN

GRADE: RM130

NEMA LI 1-1998 GRADE: FR-4

U.L. LISTED: N

DESCRIPTION: Rolled and Molded Rods made from a glass fabric with a flame retardant resin system. RM130 combines excellent electrical characteristics with superior physical properties at normal operating temperatures. Electrical properties maintained in high humidity conditions. RM130 meets ANSI/NEMA IM 60000-2021 Grade FR-4, MIL-I-24768/27 GEE-F and ASTM D709 Type IV Grade FR-4.

TYPICAL PROPERTIES

	UNITS	VALUE ¹		
		Diameter Tested		
			0.500"	
PHYSICAL PROPERTIES				
Specific Gravity	-		1.84	
Rockwell Hardness	M Scale		105	
Moisture Absorption Condition D ₁ -24/23	%		0.03	
Flexural Strength Condition A	psi		65,200	
Tensile Strength Condition A	psi		41,200	
Compressive Strength Condition A	psi		52,600	
THERMAL PROPERTIES				
Temperature Index ²				
Electrical / Mechanical	°C		120 / 130	
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.

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.