

# RM310

## TECHNICAL DATA BULLETIN

GRADE: RM310

NEMA GRADE: C

U.L. LISTED: N

DESCRIPTION: Rolled and Molded Rods made from a plain weave, medium weight cotton fabric combined with a phenolic resin system. RM310 is used for mechanical applications, meeting NEMA C requirements.

### TYPICAL PROPERTIES

	UNITS	VALUE <sup>1</sup>		
		Diameter Tested		
			0.500"	
<b>PHYSICAL PROPERTIES</b>				
<b>Specific Gravity</b>	-		1.34	
<b>Rockwell Hardness</b>	M Scale		90	
<b>Moisture Absorption</b> Condition D <sub>1</sub> -24/23	%		0.90	
<b>Flexural Strength</b> Condition A	psi		18,400	
<b>Tensile Strength</b> Condition A	psi		8,900	
<b>Compressive Strength</b> Condition A	psi		28,600	
<b>THERMAL PROPERTIES</b>				
<b>Temperature Index</b> <sup>2</sup> Electrical / Mechanical	°C		115 / 125	
<b>Flammability Rtg. (UL 94)</b> Condition A	Class		HB	

<sup>1</sup> All testing performed to ASTM D-349 unless otherwise indicated.

<sup>2</sup> 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.