

RM310E

TECHNICAL DATA BULLETIN

GRADE: RM310E

NEMA GRADE: CE

U.L. LISTED: N

DESCRIPTION: Rolled and Molded Rods made from a plain weave, medium weight cotton fabric combined with a phenolic resin system. RM310E is used for mechanical and electrical applications, meeting NEMA Grade CE requirements.

TYPICAL PROPERTIES

| | UNITS | VALUE ¹ | | |
|--------------------------------|---------------------------------|--------------------|-----------|--|
| | | Diameter Tested | | |
| | | | 0.500" | |
| PHYSICAL PROPERTIES | | | | |
| Specific Gravity | - | | 1.34 | |
| Rockwell Hardness | M Scale | | 90 | |
| Moisture Absorption | Condition D ₁ -24/23 | % | 0.90 | |
| Flexural Strength | Condition A | psi | 18,400 | |
| Tensile Strength | Condition A | psi | 8,900 | |
| Compressive Strength | Condition A | psi | 28,600 | |
| 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.

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.