

RT310

TECHNICAL DATA BULLETIN

GRADE: RT310

NEMA LI 1-1998 GRADE: C

U.L. LISTED: Y

DESCRIPTION: Grade RT310 is a tube made from a medium weight canvas fabric combined with a phenolic resin that has good physical properties and machining characteristics. Typical applications include textile bobbins, lap spools and structural parts that require good impact strength. RT310 also complies with ANSI/NEMA IM 60000-2021 Grade C, MIL-I-24768/16, Type FBM, ASTM D709 Type II Grade C and with IEC 61212-3-1 PF CC 22.

TYPICAL PROPERTIES

		UNITS	VALUE	
			Specimen Tested (ID x OD)	
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)		-		1.30
Rockwell Hardness (ASTM D785)		M Scale		90
Moisture Absorption Condition D ₁ -24/23 (ASTM D570)		%		2.00
Tensile Strength Condition A (ASTM D638)		psi		7,700
Compressive Strength Condition A (ASTM D695)		psi		25,500
Compressive Modulus Condition A (ASTM D695)		kpsi		350
THERMAL PROPERTIES				
Temperature Index ¹	Electrical / Mechanical	°C		140 / 140
Flammability Rating Condition A (UL Bulletin 94)		Class		HB
ELECTRICAL PROPERTIES				
Electric Strength Condition A (ASTM D149)		Volts/mil		135

¹ 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.