NORPLEX MICARTA
Global Thermoset Composite Solutions

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RT310H

TECHNICAL DATA BULLETIN

GRADE: RT310H **NEMA GRADE: C** **U.L. LISTED: N**

DESCRIPTION: Being a heat treated version of RT310, RT310H 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. RT310H also complies with MIL-I-24768/16, Type FBM and ASTM D709 Type II Grade C.

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		100	
Moisture Absorption *(ASTM D570)*	Condition D_1-24/23	%		1.80	
Tensile Strength *(ASTM D638)*	Condition A	psi		7,900	
Compressive Strength *(ASTM D695)*	Condition A	psi		28,000	
Compressive Modulus *(ASTM D695)*	Condition A	kpsi		380	
THERMAL PROPERTIES					
Temperature Index [1]	Electrical / Mechanical	°C		140 / 140	
Flammability Rating *(UL Bulletin 94)*	Condition A	Class		HB	
ELECTRICAL PROPERTIES					
Electric Strength *(ASTM D149)*	Condition A	Volts/mil		150	

[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.