

RTB320X

TECHNICAL DATA BULLETIN

GRADE: RTB320X

NEMA GRADE: LE

U.L. LISTED: N

DESCRIPTION: RTB320X is composed of an extra-fine weave woven cotton fabric combined with a phenolic resin system to produce a tube product that has superior machining capability with smooth, fiber free surfaces. Typical uses include retainers for ball-bearings and applications that require fine machining characteristics. RTB320X also complies with MIL-I-24768/13, Type FBE, ASTM D709 Type II Grade LE and Federal Specification WW-L-2887.

TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)	-		1.29	
Rockwell Hardness (ASTM D785)	M Scale		100	
Moisture Absorption Condition D ₁ -24/23 (ASTM D570)	%		1.20	
Acetone Extraction Condition A (ASTM F2953-12)	%		<1.0	
Tensile Strength Condition A (ASTM D638)	psi		10,000	
Compressive Strength Condition A (ASTM D695)	psi		30,000	
Compressive Modulus Condition A (ASTM D695)	kpsi		425	



Global Thermoset Composite Solutions

RTB320X - TYPICAL PROPERTIES (continued)

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
THERMAL PROPERTIES				
Temperature Index ¹ Electrical / Mechanical	°C		125 / 125	
Flammability Rating Condition A (UL Bulletin 94)	Class		HB	
ELECTRICAL PROPERTIES				
Electric Strength Condition A (ASTM D149)	Volts/mil		190	

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.