

RTB320Z

TECHNICAL DATA BULLETIN

GRADE: RTB320Z

NEMA GRADE: LE

U.L. LISTED: N

DESCRIPTION: RTB320Z is similar to RTB320X being composed of an extra-fine weave woven cotton fabric combined with a phenolic resin system. RTB320Z tubes have higher densities (minimum allowable specific gravity is 1.30) resulting in enhanced precise machining characteristics and are expected to give longer life in wear applications. Typical uses include retainers for ball-bearings. RTB320Z 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 ¹		
			Specimen Tested (ID x OD)		
				0.75" x 1.00"	
PHYSICAL PROPERTIES					
Specific Gravity		-		1.35	
Rockwell Hardness		M Scale		109	
Moisture Absorption	Condition D ₁ -24/23	%		1.85	
Tensile Strength	Condition A	psi		16,000	
Compressive Strength	Condition A	psi		33,700	
THERMAL PROPERTIES					
Temperature Index ²					
Electrical / Mechanical		°C		125 / 125	
Flammability Rtg. (UL 94) Condition A		Class		HB	
ELECTRICAL PROPERTIES					
Electric Strength Condition A		Volts/mil		240	

¹ All testing performed to ASTM D-348 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.

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Specification writers: Contact Norplex-Micarta for specification values before submission.