



Global Thermoset Composite Solutions

BT22ZPN

TECHNICAL DATA BULLETIN

GRADE: BT22ZPN

NEMA GRADE: --

U.L. LISTED: N

DESCRIPTION: BT22ZPN is similar to BT22NPN being composed of an extra-fine weave woven cotton fabric combined with a phenolic resin system. BT22ZPN 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.

TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)	-		1.34	
Rockwell Hardness (ASTM D785)	M Scale		105	
Moisture Absorption Condition D ₁ -24/23 (ASTM D570)	%		1.40	
Acetone Extraction Condition A (ASTM F2953-12)	%		<1.0	
Tensile Strength Condition A (ASTM D638)	psi		11,000	
Compressive Strength Condition A (ASTM D695)	psi		33,000	
Compressive Modulus Condition A (ASTM D695)	kpsi		400	



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BT22ZPN - 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		200	

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.