



Global Thermoset Composite Solutions

BT13NPG

TECHNICAL DATA BULLETIN

GRADE: BT13NPG

NEMA GRADE: --

U.L. LISTED: N

DESCRIPTION: Grade BT13NPG is a medium weave cotton fabric combined with a phenolic resin system containing graphitic carbon as a lubricant, and used where conductivity of the material is not detrimental to the properties of the final product. This product is used in the bearing industry where a low coefficient of friction is the primary concern.

TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)	-		1.28	
Rockwell Hardness (ASTM D785)	M Scale		90	
Moisture Absorption Condition D ₁ -24/23 (ASTM D570)	%		2.10	
Tensile Strength Condition A (ASTM D638)	psi		7,900	
Compressive Strength Condition A (ASTM D695)	psi		24,000	
Compressive Modulus Condition A (ASTM D695)	kpsi		415	
THERMAL PROPERTIES				
Temperature Index ¹ Electrical / Mechanical	°C		- / 140	
Flammability Rating Condition A (UL Bulletin 94)	Class		HB	

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.