NORPLEX MICARTA
Global Thermoset Composite Solutions

BT12HPN

TECHNICAL DATA BULLETIN

GRADE: BT12HPN   **NEMA GRADE: --**   **U.L. LISTED: N**

DESCRIPTION: Being a heat treated version of BT12NPN, BT12HPN is a fine weave canvas phenolic material with fabric construction weight intermediate to BT13NPN and BT25NPN. BT12HPN is designed for better machining than grade BT13NPN and lower cost than BT25NPN.

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		90	
Moisture Absorption Condition D_1-24/23 (ASTM D570)	%		1.70	
Tensile Strength Condition A (ASTM D638)	psi		7,600	
Compressive Strength Condition A (ASTM D695)	psi		27,500	
Compressive Modulus Condition A (ASTM D695)	kpsi		250	
THERMAL PROPERTIES				
Temperature Index [1] Electrical / Mechanical	°C		130 / 130	
Flammability Rating Condition A (UL Bulletin 94)	Class		HB	
ELECTRICAL PROPERTIES				
Electric Strength Condition A (ASTM D149)	Volts/mil		225	

[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.