NORPLEX MICARTA
Global Thermoset Composite Solutions

BT25HPN

TECHNICAL DATA BULLETIN

GRADE: BT25HPN **NEMA GRADE: --** **U.L. LISTED: N**

DESCRIPTION: Being a heat treated version of BT25NPN, BT25HPN has low moisture absorption and excellent dimensional stability. Typical uses include retainers for ball-bearings and applications that require fine machining characteristics.

TYPICAL PROPERTIES

		UNITS	VALUE		
			Specimen Tested (ID x OD)		
				0.75″ x 1.00″	
PHYSICAL PROPERTIES					
Specific Gravity *(ASTM D792)*		-		1.31	
Rockwell Hardness *(ASTM D785)*		M Scale		105	
Moisture Absorption *(ASTM D570)*	Condition D_1-24/23	%		1.10	
Acetone Extraction *(ASTM F2953-12)*	Condition A	%		<1.0	
Tensile Strength *(ASTM D638)*	Condition A	psi		9,800	
Compressive Strength *(ASTM D695)*	Condition A	psi		31,000	
Compressive Modulus *(ASTM D695)*	Condition A	kpsi		400	

BT25HPN - TYPICAL PROPERTIES (continued)

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75″ x 1.00″	
THERMAL PROPERTIES				
Temperature Index [1] Electrical / Mechanical	°C		135 / 135	
Flammability Rating Condition A *(UL Bulletin 94)*	Class		HB	
ELECTRICAL PROPERTIES				
Electric Strength Condition A *(ASTM D149)*	Volts/mil		275	

[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.