

BP81NPN

TECHNICAL DATA BULLETIN

GRADE: BP81NPN

U.L. LISTED: N

DESCRIPTION: BP81NPN is a cotton phenolic composite which is specifically designed to dissipate heat better than standard cotton phenolic products. Applications include trunion wheels, wire strander rolls and pile-driver head cushions.

TYPICAL PROPERTIES

	UNITS	VALUE		
		Thickness Tested		
		0.125"	0.500"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)	-			1.47
Rockwell Hardness (ASTM D785)	0.250" Build-up M Scale		100	
Moisture Absorption (ASTM D570)	Condition A %		2.50	
Tensile Strength (ASTM D638)	Condition A LW / CW psi (MPa)		43,000 / (296.5) /	
Compressive Strength (ASTM D695)	Condition A Flatwise psi (MPa)			43,000 (296.5)
Bonding Strength (ASTM D229)	Condition A lb (kg)			1,200 (544.3)

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TYPICAL PROPERTIES (continued)

	UNITS	VALUE		
		Thickness Tested		
			0.125"	0.500"
THERMAL PROPERTIES				
Temperature Index ¹ (UL Bulletin 746b) Electrical / Mechanical	°C	/ 150		
Flammability Rating Condition A (UL Bulletin 94)	Class			HB

¹ 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 check with Customer Service or, preferably our web site, www.norplex-micarta.com, to determine if the information is the most current available.

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