NORPLEX MICARTA
Global Thermoset Composite Solutions

NP602

TECHNICAL DATA BULLETIN

GRADE: NP602 **NEMA LI 1-1998 Grade: --** **U.L. LISTED: N**

DESCRIPTION: A paper-base laminate with low phenolic resin content for hard, flat surfaces. It is typically hot punched for numerous low voltage electrical applications of less than 250 volts where the material is not subjected to high humidity.

TYPICAL PROPERTIES

		UNITS	VALUE		
			Thickness Tested		
			0.0625″	0.125″	0.500″
PHYSICAL PROPERTIES					
Specific Gravity *(ASTM D792)*		-			1.30
Rockwell Hardness *(ASTM D785)*	0.250″ Build-up	M Scale	90		
Moisture Absorption *(ASTM D570)*	Condition D_1-24/23	%	8.00		
Flexural Strength *(ASTM D790)*	Condition A LW / CW	psi (MPa)	25,000 / 22,000 (172.4) / (151.7)		
Tensile Strength *(ASTM D638)*	Condition A LW / CW	psi (MPa)		17,000 / 13,000 (117.2) / (89.6)	
Izod Impact Strength *(ASTM D256)*	Condition A LW / CW	ft-lb/in (J/cm)			
	Condition E-48/50 LW / CW	ft-lb/in (J/cm)			0.55 / 0.50 (0.29) / (0.27)
Compressive Strength *(ASTM D695)*	Condition A Flatwise	psi (MPa)			35,000 (241.3)

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TYPICAL PROPERTIES (continued)

		UNITS	VALUE		
			Thickness Tested		
			0.0625″	0.125″	0.500″
THERMAL PROPERTIES					
Temperature Index [1] *(UL Bulletin 746b)*	Electrical / Mechanical	°C	150 / 150		
Flammability Rating *(UL Bulletin 94)*	Condition A	Class	HB		
ELECTRICAL PROPERTIES					
Breakdown Voltage *(ASTM D149)*	Condition A	kVolts	60		
	Condition D-48/50	kVolts	3		

[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.