

## RT342 TECHNICAL DATA BULLETIN

GRADE: RT342 NEMA LI 1-1998 GRADE: C U.L. LISTED: N

DESCRIPTION: Fine weave canvas phenolic material with fabric construction weight intermediate to RT310 and RTB320. RT342 is designed for better machining than grade RT310 and lower cost than RTB320. It also complies with ANSI/NEMA IM60000-2021 Grade C and CE, MIL-I-24768/16, Type FBM and ASTM D709 Type II Grade C and IEC 61212-3-1 PF CC 22.

## **TYPICAL PROPERTIES**

			VALUE	
		UNITS	Specimen Tested (ID x OD)	
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity				
(ASTM D792)		-	1.30	
Rockwell Hardness				
(ASTM D785)		M Scale	100	
Moisture Absorption (ASTM D570)	Condition D₁-24/23	%	1.80	
Tensile Strength	Condition A			
(ASTM D638)		psi	7,500	
Compressive Strength (ASTM D695)	Condition A	psi	26,000	
Compressive Modulus	Condition A			
(ASTM D695)		kpsi	320	
THERMAL PROPERTIES				
Temperature Index <sup>1</sup>	Electrical / Mechanical	°C	130 / 130	
Flammability Rating (UL Bulletin 94)	Condition A	Class	HB	
ELECTRICAL PROPERTIES			112	
Electric Strength (ASTM D149)	Condition A	Volts/mil	190	

<sup>&</sup>lt;sup>1</sup> 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.