

# MC514MG

## TECHNICAL DATA BULLETIN

GRADE: MC514MG

U.L. LISTED: N

DESCRIPTION: MC514MG is a glass phenolic, semi-conductive laminate which was designed for corona discharge in the power generation industry. The graphitic carbon additive in the resin system enables easy installation in the slots and provides the necessary conductivity to safely remove harmful charges from the system.

### TYPICAL PROPERTIES

	UNITS	VALUE		
		Thickness Tested		
		0.0625"	0.125"	0.500"
<b>PHYSICAL PROPERTIES</b>				
<b>Specific Gravity</b> (ASTM D792)	-			1.80
<b>Rockwell Hardness</b> (ASTM D785)	0.250" Build-up M Scale		110	
<b>Flexural Strength</b> (ASTM D790)	Condition A LW / CW	psi (MPa)	34,000 / 25,000 (234.4) / (172.4)	
<b>Compressive Strength</b> (ASTM D695)	Condition A Flatwise	psi (MPa)	48,000 (330.9)	
<b>Bonding Strength</b> (ASTM D229)	Condition A	lb (kg)		1,100 (499.0)

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## TYPICAL PROPERTIES (continued)

	UNITS	VALUE		
		Thickness Tested		
		0.0625"	0.125"	0.500"
<b>THERMAL PROPERTIES</b>				
Maximum Operating Temperature <sup>1</sup>	°C		155	
<b>ELECTRICAL PROPERTIES</b>				
Surface Resistivity (ASTM D257) Minimum / Maximum	Ohms/sq		4 E+2 / 2 E+4	

<sup>1</sup> 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](http://www.norplex-micarta.com), to determine if the information is the most current available.

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