



# RSG629

## TECHNICAL DATA BULLETIN

**GRADE:** RSG629

**NEMA GRADE:** --

**U. L. LISTED:** N

**DESCRIPTION:** RSG629 is a sheet ground rod produced from sheets of material that conform to NEMA XX, ANSI/NEMA XX and MIL-I-24768/11 Type PBG. None of these specifications have any requirements for sheet ground rods.

**THICKNESS TESTED:** 0.500"

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Density ( <i>ASTM D349 Section 28-30</i> )	g/cm <sup>3</sup>	1.36
Rockwell Hardness ( <i>ASTM D785</i> )	M Scale	87
Water Absorption ( <i>ASTM D349 Section 26-27</i> ) <i>Condition D<sub>i</sub>-24/23</i>	wt%	0.21
Flexural Strength ( <i>ASTM D349 Section 13-19</i> ) <i>Condition A</i> flatwise / edgewise	psi	23,100 / 23,400
Flexural Modulus ( <i>ASTM D349 Section 13-19</i> ) <i>Condition A</i> flatwise / edgewise	kpsi	1,800 / 1,700
Flexural Deflection ( <i>ASTM D349 Section 13-19</i> ) <i>Condition A</i> flatwise / edgewise	inches	0.165 / 0.165
Axial Tensile Strength ( <i>ASTM D349 Section 7-12</i> ) <i>Condition A</i>	psi	13,500
Axial Tensile Modulus ( <i>ASTM D349 Section 7-12</i> ) <i>Condition A</i>	kpsi	1,300



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### TYPICAL PROPERTIES (continued)

THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE
Temperature Index     Electrical / Mechanical	°C	130 / 130 <sup>1</sup>
Flammability Rating ( <i>UL Bulletin 94</i> ) <i>Condition A</i>	Class	HB
Coefficient of Thermal Expansion (CTE) <i>(IPC-TM-650 2.4.24)</i> edgewise x-axis / y-axis / z-axis	ppm/°C	34.8 / 47.8 / 72.3

<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".

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 information is most current.

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