

## Globally Sourced LE Sheet

### Data Sheet

**Definition:** GSLE is constructed from a woven cotton fabric that weighs less than or equal to 4 ounces per square yard with a phenolic resin binder.

**Characteristics:** GSLE is suitable for electrical applications requiring good moisture resistance.

**Certifications\*:** The manufactures of GSLE has informed Norplex-Micarta that the product meets NEMA LE, MIL-I-24768/13 and ASTM D 709 Type LE.

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	Thickness	UNITS	VALUE
Izod Impact Strength Lengthwise – ASTM D229 E-48/50	0.125" and above	ft-lb/in	1.3
Izod Impact Strength Crosswise – ASTM D229 E-48/50	0.125" and above	ft-lb/in	1.0
Flexural Strength Lengthwise – ASTM D229 Condition A	0.031"	psi	20,000
	0.062"	psi	20,000
	0.125"	psi	20,000
Flexural Strength Crosswise – ASTM D229 Condition A	0.031"	psi	15,000
	0.062"	psi	15,000
	0.125"	psi	15,000
Bond Strength – ASTM D229 Condition A	0.500" and above	lb	1,800
Bond Strength – ASTM D229 D-48/50	0.500" and above	lb	1,600
Water Absorption – ASTM D229 D1-24/23	0.031"	%	4.00
	0.062"	%	1.90
	0.125"	%	1.30

### TYPICAL PROPERTIES

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<b>THERMAL &amp; ELECTRICAL PROPERTIES</b>	<b>Thickness</b>	<b>UNITS</b>	<b>VALUE</b>
Flammability Rating – U.L. 94 Condition A	0.031" and above	Class	HB
Breakdown Voltage – ASTM D229 Condition A	0.031" - 1.000"	kV	45
Breakdown Voltage – ASTM D229 Condition D-24/23	0.031" - 1.000"	kV	4

\* Product Certification. PRODUCT is import material, certified via manufacturers documentation to any standard under which it is sold. Norplex-Micarta, at its sole discretion, may substitute domestic or alternate source material in order to fill order requirements. Norplex-Micarta will have no obligation to notify customers of a change in material source. Substitution of PRODUCT does not wave any of these SUPPLEMENTAL TERMS. PRODUCT will not be tested lot by lot; therefore, neither section 4.5 of MIL-I-24768 nor section 13 of ASTM D709 will apply.

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" and are not to be considered "specification values". Tests of a specific lot may have different results.

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