



NP510A

TECHNICAL DATA BULLETIN

DESCRIPTION: NP510A is a woven glass fabric composite combined with epoxy resin system. It is engineered to provide NEMA grade FR-4 properties. This material contains bromine on the epoxy resin backbone. NP510A is certifiable to MIL-I-24768/27, Type GEE-F.

TYPICAL PROPERTIES

		UNITS	TYPICAL VALUE
PHYSICAL PROPERTIES			
Moisture Absorption <i>(IEC 60893-2/8.2)</i>	A	mg	8.3
Flexural Strength <i>(IEC 60893-2/5.1)</i>	A LW/CW		480/390
Izod Impact Strength <i>(IEC 60893-2/5.4.3)</i>	A LW/CW		58/55
Charpy Impact Strength <i>(IEC 60893-2/5.4.2)</i>	A LW/CW	kJ/m ²	63/50



TECHNICAL DATA BULLETIN (CONTINUED)

		UNITS	TYPICAL VALUE
THERMAL PROPERTIES			
Flammability Vertical <i>(IEC 60893-2/7.2)</i>	A	Class	V-0
ELECTRICAL PROPERTIES			
Breakdown Voltage <i>(IEC 60893-2/6.1)</i>	A	kV	65
Electric Strength <i>(IEC 60893-2/6.1)</i>	A		25
Insulation Resistance <i>(IEC 60893-2/6.3)</i>	Condition E-24/50; D-24/23	MΩ	3.33×10^{13}

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.

It is the responsibility of the users of this information to make sure that they have the latest version of this TDB and to review our web site, www.norplex-micarta.asia, or contact our Customer Service department to determine if this information is the most current available.

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