

# NP511B

## TECHNICAL DATA BULLETIN

**DESCRIPTION:** NP511B pre-preg is composed of a high temperature electrical grade epoxy resin ( $T_g = 170^\circ\text{C}$ ) combined with a woven glass substrate. This grade of pre-preg is not flame retardant. With a non-brominated resin system, the product offers high mechanical strength at temperatures up to  $170^\circ\text{C}$ . Properly cured, it will retain half its room temperature flexural strength at elevated temperatures ( $150^\circ\text{C}$ , after conditioning at  $150^\circ\text{C}$  for one hour). It can be produced from several glass styles for non-G11 applications.

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Resin Content	%	25 - 45
Visual Resin Flow	inches	.031" - .375"

When processed in a manner consistent with Norplex-Micarta's processing parameters and equipment the fully cured product should exhibit parameters similar to NP511.

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 information is most current.

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