

# NP575

## TECHNICAL DATA BULLETIN

**GRADE:** NP575

**NEMA GRADE:** --

**U. L. LISTED:** N

**DESCRIPTION:** NP575 is a woven glass fabric combined with a high temperature epoxy resin. It is engineered to provide superior characteristics at elevated temperatures, making it an ideal material for retaining ring insulation. Having been tested and is certifiable to GE A19B51B1, GE A50A549 and GE A50A573A.

**THICKNESS TESTED:** 0.031", 0.062" & 0.125"

### TYPICAL PROPERTIES

	UNITS	VALUE		
		Thickness Tested		
		0.0315"	0.0625"	0.125"
<b>PHYSICAL PROPERTIES</b>				
GE A50A573A				
Compressive Strength (ASTM D695) 130°C	psi		70,000	
140°C	psi		67,000	
155°C	psi		72,000	
Flexural Strength (ASTM 790) 130°C	psi	61,000		
140°C	psi	60,500		
155°C	psi	53,000		
Dielectric Constant @ 1 MHz (ASTM D150)				4.800
Dissipation Factor @ 1 MHZ (ASTM D150)				0.025
Breakdown Voltage (ASTM D149) Condition A	kV			75
Condition D-48/50				55

Volume Resistivity (ASTM D257)	Ohms-cm		6,900,000 E9	
Surface Resistivity (ASTM D257)	Ohms/sq		2,300,000 E9	
GE A50A549				
Short Term Exposure % WT Loss 10 Min. @ 350°C	%		0.06	
20 Min. @ 350°C	%		0.12	
30 Min. @ 350°C	%		0.26	
Short Term Exposure Thickness Change 10 Min. @ 350°C	%		-0.10	
20 Min. @ 350°C	%		-0.05	
30 Min. @ 350°C	%		-0.25	
GE A19B51B1				
Izod Impact Strength (ASTM D256) Condition E-48/50 LW / CW	ft-lb/in			28.0/23.0
Flexural Strength (ASTM D790) Condition A LW / CW	psi	64,000/65,000		
Moisture Absorption (ASTM D570) Condition Di-24/23	%			0.07

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 available.

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