



# TECHNICAL DATA SHEET



**Noelle Industries, Inc.**  
Adhesives • Coatings • Conductives • Encapsulants

## NOELLE 808-50

### A One Component Reinforced Semi-Paste Adhesive

#### Description:

Noelle 808-50 is a fiberglass reinforced, paste, one component high performance adhesive material. Noelle 808-50 material can also be used as a structural adhesive for bonding dissimilar substrates.

#### Advantages:

Noelle 808-50 will cure at temperatures as low as 121°C. It features excellent chemical, heat and moisture resistance, and also exhibits class F (155°C) continuous operating service.

#### Physical Properties:

Color:	Black
Pounds per Gallon	14.00
Specific Gravity	1.68

#### Shelf Life: (Sealed container)

Three Months @ 25°C  
Six Months @ -10°C  
One Year @ -40°C

#### Cure Schedules:

(Longer times or higher temperatures will further enhance end properties.)

Cure Temp:	121°C	150°C	160°C
Cure Time:	180 min.	120 min.	60 min.

#### Cured Properties:

Shore Hardness, measured @ 25°C:	92D
Volume Resistivity, Ohm/cm @ 25°C:	1.0 x 10 <sup>15</sup>
Ohm/cm @ 130°C:	4.0 x 10 <sup>11</sup>
Lap Shear, Tensile Strength Al/Al ASTM D-1002:	2800 psi.
Coefficient of Linear Thermal Expansion (in/in°C):	40 x 10 <sup>-6</sup>
Dielectric Strength VPM @ 25°C:	425
Dissipation Factor 100 Hertz @ 25°C:	0.018
Glass Transition Temperature (t <sub>g</sub> ):	>140°C

All values reported above are typical values, and are reported as a means of reference. Individual testing should be done to determine actual results, tested at specific conditions.

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