



# TECHNICAL DATA SHEET



Registered to  
ISO 9001

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

## NOELLE 808-50-4

### A One Component Reinforced Semi-Paste Adhesive

#### **Description:**

Noelle 808-50-4 is a fiberglass reinforced, paste, one component high performance adhesive material. Noelle 808-50-4 material can also be used as a structural adhesive for bonding dissimilar substrates. Noelle 808-50-4 is a more flow able, thinner version of Noelle 808-50.

#### **Advantages:**

Noelle 808-50-4 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.

• 76 Treble Cove Road, Building # 3, Unit C, North Billerica, MA 01862

• Phone: (978) 439-9841 • Fax: (978) 439-9842 • Website: [www.noelleindustries.com](http://www.noelleindustries.com) • email: [info@noelleindustries.com](mailto:info@noelleindustries.com)