



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 ¹⁵
Ohm/cm @ 130°C:	4.0 x 10 ¹¹
Lap Shear, Tensile Strength Al/Al ASTM D-1002:	2800 psi.
Coefficient of Linear Thermal Expansion (in/in°C):	40 x 10 ⁻⁶
Dielectric Strength VPM @ 25°C:	425
Dissipation Factor 100 Hertz @ 25°C:	0.018
Glass Transition Temperature (t _g):	>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 • email: info@noelleindustries.com