



TECHNICAL DATA SHEET

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 Temperature	121°C	150°C	160°C
Cure Time:	180	120	60

Cured Properties:

Shore Hardness, measured @ 25°C: 92D
Volume Resistivity,
 @ 25°C (Ohm/cm): 1.0×10^{15}
 @ 130°C (Ohm/cm): 4.0×10^{11}
Lap Shear, Tensile Strength
 Al/Al ASTM D-1002 (psi): 2800
Coefficient of Linear Thermal Expansion,
 (in/in°C): 40×10^{-6}
Dielectric Strength, @ 25°C (VPM): 425
Dissipation Factor @ 25°C (100 Hertz): 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