



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



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TECHNICAL DATA SHEET

NOELLE 902-09

A One Component, B Stageable Epoxy Compound

Description:

Noelle 902-09 is a one component high performance electronic screen printable Epoxy Compound. Noelle 902-09 can also be used as a structural adhesive for bonding dissimilar substrates.

Advantages:

Noelle 902-09 will cure at temperatures as low as 120°C. It features excellent chemical, heat and moisture resistance, and also exhibits class F (155°C) continuous operating service. Noelle 902-09 can be supplied in various colors.

Physical Properties:

Color:	Black
Pounds per Gallon	10.50
Specific Gravity	1.26
Viscosity	Paste

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:	120°C	150°C	160°C
Cure Time:	60 min.	30 min.	10min.

Cured Properties:

Shore Hardness, measured @ 25°C:	85D
Volume Resistivity, Ohm/cm @ 25°C:	1.0 x 10 ¹³
Ohm/cm @ 130°C:	4.0 x 10 ¹¹
Lap Shear, Tensile Strength Al/Al ASTM D-1002:	>2500 psi.
Coefficient of Linear Thermal Expansion (in/in°C):	70 x 10 ⁻⁶
Dielectric Strength VPM @ 25°C:	470
Dissipation Factor 100 Hertz @ 25°C:	0.079
Glass Transition Temperature (t _g):	>140°C
Modulus @ 25°C	2.2 x 10 ⁹ Pa
@ 180°C	2.5 x 10 ⁷ Pa
Water Absorption	1.2 %

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.