



# TECHNICAL DATA SHEET

**Noelle Industries, Inc.**

*Adhesives • Coatings • Conductives • Encapsulants*

## NOELLE 804-24

### A One Component Thermally Conductive Heat Sink Compound

#### Description:

Noelle 804-24 is a one component, non-sag, thermally conductive grease. Designed to conduct / dissipate heat away from sensitive electronic components and devices. Uses include semi-conductors, heat sinks and automotive temperature sensing devices.

#### Advantages:

Noelle 804-24 has excellent thermal resistance (0.05 watt / meter / °C for a 0.001 inch film with an area of one square inch). It will not harden, dry out, or melt at 200°C.

#### Physical Properties:

Color:	Opaque White
Specific Gravity	2.45 @ 25°C
Volume Resistivity, Ohm/cm @ 25°C:	$2.0 \times 10^{15}$
Dielectric Strength volts/mil @ 25°C:	450
Thermal Conductivity gm cal/sec cm @ 1°C/cm	0.00177
BTU / hr / ft / 20°F / in	5.1
Thermal Resistivity (p)°C / in / watt	56
Bleed % after 24 hours at 200°C	0.00
Evaporation % after 24 hours at 200°C	0.50
Press Flow 0.105 orifice	
sec ±5 @ 42.5 psi / 25°C	25
Work Penetration @ 60 strokes	260 – 340

#### Storage and Handling:

Normal storage and handling is at room temperature. Use standard mixing and housekeeping procedures to minimize the risk of spills and contact with the surrounding materials.

#### Shelf Life: (Sealed container)

One Year @ 25°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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