



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.

Shelf Life: (Sealed container)

One Year @ 25°C

Physical Properties:

Color:	Opaque White
Specific Gravity @ 25°C:	2.45
Volume Resistivity, @ 25°C (Ohm/cm):	2.0 x 10 ¹⁵
Dielectric Strength, @ 25°C (volts/mil):	450
Thermal Conductivity	
gm cal/sec cm @ 1°C/cm:	0.00177
BTU / hr / ft / 20°F / in	5.1
Thermal Resistivity °C / in / watt	56
Bleed % @ 200°C after 24 hours	0.00
Evaporation % @ 200°C after 24 hours:	0.50
Press Flow.	
25°C with a 0.105 orifice	
@ 42.5 psi (seconds ±5):	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.

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