



NOELLE 908-61 System

A Two Component Gray Thermally Conductive Silicone

Description:

Noelle 908-61 System is a medium hardness, gray, two components (A+B), high performance filled, room temperature or heat curing system.

Noelle 908-61 System is designed for use in applications that requires a highly thermally conductive, shock resistant, and cushion coat material for sensitive or fragile components or fine electrical wires.

Advantages:

Noelle 908-61 mixed system features a moderate mixed viscosity for ease of use in specific applications, also features excellent air release properties. This mixed system does not harden appreciably with age as does many other commercially available materials of this type. Noelle 908-61 offers excellent adhesion to a wide variety of substrates and has a fast working life along with good electrical properties.

Physical Properties:

	<u>Resin</u>	<u>Hardener</u>
	908-61A	908-61B
Color:	White	Black
Viscosity (cP):	200,000	400,000
Mix Ratio		
(By Volume):	1.0	1.0
(By Weight):	100.0	100.0

Shelf Life: (Sealed containers)

Twelve months @ 25°C (both A+B). Hand agitation of the Resin and Hardener components are recommended after long standing to insure best results.

Instructions:

Combine the Resin and the Hardener in the ratio listed above. Mix by hand or mechanical mixer until material is uniform in appearance.

Cure Schedules:

Cure Temperature:	25°C	80°C	100°C	120°C
Cure Time:	1-7 days	2½ hours	1½ hours	½ hour

Pot Life > 20 minutes

Cured Properties:

Penetrating Value, measured @ 25°C:	45
Lap Shear, Tensile Strength	
Al/Al ASTM D-1002 (M Pa):	16
Elongation, (%) :	440-
Volume Resistivity, @ 25°C (Ohm-cm):	1.47x 10 ¹⁵
Dielectric Constant, @ 25°C (1 MHz):	3.12
Dissipation Factor, @ 25°C (1 MHz):	0.003
Dielectric Strength, (volts/mil):	390
Operating Temperature Range, (°C):	-55°C to +200°C
Thermal Conductivity: W/m-K:	1.70

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.

• 12 Willow Road, Ayer, MA 04132

• Phone: (978) 439-9841 • Fax: (978) 439-9842 • Website: www.noelleindustries.com • email: info@noelleindustries.com