



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

## NOELLE E903-62-1 System

### A Two Component Adhesive

#### **Description:**

Noelle E903-62-1 System is a two component (A + B) high performance, silver filled, room temperature curing adhesive. A slower curing version of Noelle E903-62 System

#### **Advantages:**

Noelle E903-62-1 is filled with conductive metals for both electrical and thermal conductivity.

#### **Shelf Life:** (Sealed containers)

One Year @ 25°C (both A+B). Hand agitation of the Resin component is recommended after long standing to insure best results.

#### **Physical Properties:**

	<u>Resin</u>	<u>Hardener</u>
	E903-62-1A	E903-62-1B
Color:	Silver	Silver
Mix Ratio		
(By Weight)	100.0	100.0
Specific Gravity	3.48	3.06

#### **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:**

16 hours @ 25°C (77°F) will yield 80% of the systems full potential. An additional 24 hours @ 25°C (77°F) will yield the systems full potential.

	80%	100%
Cure Temp:	25°C	25°C
Cure Time:	16 hrs	48 hrs
<b>Pot Life</b> (20 grams) @ 25°C = 4 hours		

#### **Cured Properties:**

Shore Hardness, measured @ 25°C	84D
Electrical: Volume Resistivity	
@ 24 hours @ 25°C (room temp).	>0.020 Ohms-cm
@ 2 hours @ 65°C	>0.002 Ohms- cm
Operating Temperature Range:	-20°C to +125°C

#### **Storage and Handling:**

Normal storage and handling is at room temperature.

**For superior stability of Noelle E903-62 Hardener store material at 0°C and equilibrate to ambient before using.**

Use standard mixing and housekeeping procedures to minimize the risk of spills and contact with the surrounding material.

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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