



TECHNICAL DATA SHEET

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.

| | | |
|--------------------|------|------|
| % Full Cure: | 80% | 100% |
| Cure Temp: | 25°C | 25°C |
| Cure Time (Hours): | 16 | 48 |

Pot Life (20 grams) @ 25°C = 4 hours

Cured Properties:

| | |
|--|-----------------|
| Shore Hardness, measured @ 25°C | 84D |
| Electrical: Volume Resistivity, (Ohms/cm): | |
| @ 24 hours @ 25°C (room temp) | >0.020 |
| @ 2 hours @ 65°C | >0.002 |
| 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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