



# TECHNICAL DATA SHEET



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

## NOELLE 809-100 System

### A Two Component Potting Compound

#### Description:

Noelle 809-100 System is a two component (A + B) high performance, room temperature curing, alumina filled potting / encapsulating compound.

#### Advantages:

Noelle 809-100 is a mixed system that features a low viscosity for good flow properties and moderate set up time. Noelle 809-100 system is designed to meet or exceed the requirements to pass UL94 V-0 after full cure at room temperature. Noelle 809-100 is primarily used for potting or ruggedizing heat sensitive electronic parts. The low viscosity mixture exhibits exceptional wetting and void free pouring during application.

#### Physical Properties:

	<u>Resin</u>	<u>Hardener</u>
	809-100A	809-100B
Color:	Black	Clear
Specific Gravity	1.71	1.01
Mix Ratio		
(By Weight)	100	12

#### 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.

#### 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:

(Overnight or 16 hours @ 25°C will yield 80% of the systems full potential.

	80%	100%
Cure Temp:	25°C (77°F)	25°C (77°F)
Cure Time:	16 hrs	4 days

**Pot Life**(100 grams) @ 25°C (77°F) = 45 min

#### Cured Properties:

Shore Hardness, measured @ 25°C 85D  
Operating Temperature Range: -20°C to +100°C

#### Storage and Handling:

Normal storage and handling is at room temperature. Use standard mixing and house keeping 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.

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