



# TECHNICAL DATA SHEET



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

## NOELLE 804-07

### Electrically Conductive Thermoplastic Ink

#### Description:

Noelle 804-07 is a carbon filled, electrically conductive, screen printable, thermoplastic ink and coating. Noelle 804-07 is used in flexible circuits, ceramic, phenolic and mylar type substrates. This material can also be used for RFI shielding and static discharge.

#### Advantages:

Noelle 804-07 features a desirable viscosity for screen printing or dot dispensing. Noelle 804-07 is a more conductive ink used in conjunction with 804-06 to get the desired resistivity.

#### Shelf Life: (Sealed container)

One Year @ 25°C

#### Physical Properties:

Color:	Black
Specific Gravity	1.09
Pounds per Gallon	9.07

Viscosity @ 25°C, HAT #5 @ 5 rpm  
600,000 cP – 800,000 cP

Conductivity Ohm/sq/mil (Cure 2 min @ 175°C)	<20
Hegman Grind (mil)	<1
Coverage (Wet thickness)	3.2 cm <sup>2</sup> / gram / mil
Glass Transition Temperature (t <sub>g</sub> ):	70°C

#### Chemical Properties:

Solvent used for thinning or cleaning is butyl cellosolve acetate.

#### Dry time:

(Longer times or higher temperatures will further enhance end properties.)

Dry Temp:	90°C	120°C
Dry Time:	30 min.	10 min.

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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