



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 (cP): | 600,000 – 800,000 |
| Conductivity Ohm/sq/mil (Cure 2 min @ 175°C): | <20 |
| Hegman Grind (mil): | <1 |
| Coverage (Wet thickness) (cm ² / gram / mil): | 32 |
| Glass Transition Temperature (t _g): | 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 Temperature: | 90°C | 120°C |
| Dry Time (minutes): | 30 | 10 |

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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