



TECHNICAL DATA SHEET

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

NOELLE 804-06

Electrically Conductive Thermoplastic Ink

Description:

Noelle 804-06 is a carbon filled, less conductive, screen printable, thermoplastic ink and coating. Noelle 804-06 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 804-06 features a desirable viscosity for screen printing or dot dispensing. Noelle 804-06 is a less conductive ink used to adjust the conductivity of 804-07 to the desired resistivity. Noelle 804-06 features exceptional adhesion to a variety of substrates.

Shelf Life: (Sealed container)

One Year @ 25°C

Physical Properties:

Color: Black
Specific Gravity: 1.26
Pounds per Gallon: 10.51
Viscosity @ 25°C, HAT #5 @ 5 rpm (cP): 30,000 – 60,000
Conductivity Ohm/sq/mil (Cure 2 min @ 175°C): 10,000 – 15,000
Hegman Grind (mil): >1
Coverage (Wet thickness) (cm² / 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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