



TECHNICAL DATA SHEET



Registered to
ISO 9001

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	30,000 cP – 60,000 cP
Conductivity Ohm/sq/mil (Cure 2 min @ 175°C)	10,000 – 15,000
Hegman Grind (mil)	>1
Coverage(Wet thickness)	32 cm ² / gram / mil
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 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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