

DuPont BQ131

SILVER CONDUCTIVE COMPOSITION

Technical Data Sheet

Product Description

DuPont BQ131 is silver conductor solvent-based screen-printable polymer thick film paste. It has been designed for anode applications for electrochemical and biochemical sensors.

Product Benefits

- High solids for printing thick electrodes
- Fast drying
- High conductivity

Processing

Drying

Reel-to-reel : 120°C for 1-2 minutes
Box oven : 120°C for 3-5 minutes

Compatibility

Only print-treated polyester film should be used. For optimal anode performance under wet applications, DuPont BQ131 should be printed over DuPont BQ111, DuPont BQ117 or DuPont BQ118 Silver composition.

Cleaning

Ethylene glycol diacetate or dipropylene glycol methyl ether.

Storage and Shelf Life

DuPont BQ Series compositions should be stored in a clean, stable environment at room temperature (~25°C) with their lids tightly sealed. Storage in high temperature (>30°C) or in freezers (<0°C) is NOT recommended as this could cause irreversible changes in the material.

Composition Properties

Test	Properties
Resistivity (mΩ/sq/mil) (Draw Down Solid)	25 - 35
Solder	Not Recommended
Ag depletion (min)	>100
Typical Physical Properties	
Viscosity (Pa.s) (Brookfield ½RVT @ 10 rpm)	20-35
Solids (150°)(%)	85 - 89
Density (g/cc)	3.8
Thinner	DuPont 3610

This table shows anticipated typical physical properties for DuPont BQ131 based on specific controlled experiments in our labs and are not intended to represent the product specifications, details of which are available upon request.

The shelf life of compositions in factory-sealed (unopened) containers stored under room temperature (~25°C) conditions is 6 months from the date of shipment. Some settling of solids may occur over time, so composition should be stirred thoroughly before use. Some settling of solids may occur over time, so composition should be stirred thoroughly before use.

Safety and Handling

For Safety and Handling information pertaining to this product, read the Material Safety Data Sheet (MSDS).

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