



C2030519P4

Carbon Paste

PRODUCT DESCRIPTION

This product is designed to be used for screen printed working electrodes. It gives excellent electrochemical performance with good reversibility when using cyclic voltammetry.

Product Benefits

This paste can be used in conjunction with UV dielectrics and paste is slow drying, for faster drying please see C2000802P2.

PROCESSING

Screen Printing Equipment

Automatic, Semi-Automatic, manual

Paste Screen Life

>3 hours

Screen Types

Stainless steel, polyester, mesh 156-230tpi

Typical Drying Conditions

For box-oven drying

60°C for 30 minutes or

80°C for 10-15 minutes

For belt-drier ovens

130°C for 10 minutes of element exposure

Clean Up Solvent

Ethoxy Propanol

Substrate

Polyester, PVC, Polycarbonate or ceramic

Storage

The product should be kept sealed, in its original container, and stored at a temperature between 15°C to 25°C

Shelf Life

In a sealed container, stored correctly, the shelf life is minimum 6 months from despatch.

Diluent/ Thinner

S60118D3.

PHYSICAL PROPERTIES

Solids Content at 130°C	39.0 - 43.0%
Viscosity Haake RS1 C20/2° TiL at 230 sec ⁻¹ at 25°C.	3.1 - 5.8 Pa s
Coverage Using a 230 mesh stainless steel screen	315 cm ² per g
Sheet Resistivity Printed through 230 stainless steel mesh with 13micron emulsion	Below 75 ohms/square @ 25µm
Cured Thickness Printed through 230 stainless steel mesh with 13micron emulsion	Typical—16 microns

SAFETY AND HANDLING

These pastes are intended for industrial use by trained personnel. It is important for workers to avoid overexposure to chemicals contained in these products.

Read the Material Safety Data Sheet (MSDS) and product labels before using the products.

Keep product container closed when not in use to prevent solvent evaporation and spilling hazard

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