

## **Technical Data Sheet**



# THICK FILM MATERIALS

**Product Type:** End Terminations

Product Name: ET2003

**Recommended Processing Guidelines** 



## **Polymer Silver Plateable End Termination**

#### Description

ET2003 is a dippable polymer based silver end termination with a reduced silver content for cost sensitive applications. It contains a fast curing polymer system.

ET2003 is a Pb and Cd free Ni/Sn plateable polymer end termination designed to be compatible on multilayer ceramic chip capacitors (NPO and X7R bodies).

## **Key Benefits**

- Ni and Sn plateable
- Solvent resistant
- Pb and Cd free

## **Typical Properties**

## Metal Type

Silver

## Adhesion

**Excellent Adhesion** 

## **Solvent Resistance**

Excellent

#### **Viscosity**

20-40 Kcps Brookfield HBT SC4 -14 spindle, 6R utility cup at 10 rpm, 25 °C

#### % Solids

55.0 ± 1.0 %

### Application

A blotting step can be used to control the amount of paste deposited on the chip body, if needed.

## Mixing

Material should be thoroughly mixed prior to use

#### Cleaning

Clean uncured resin with Acetone or similar solvent

#### Drying

120 °C for 20 minutes

#### Curing

185 °C for 60 minutes

#### Resistance

< 90 m $\Omega$ / $\square$  per mil 200 °C for 30 minutes

## Thinner:

V-521

#### Warranty:

Material guaranteed to meet specifications for 3 months from date of shipment.

## **Handling and Precautions:**

Use in a well-ventilated area Avoid contact with skin Wash with soap and water

## Storage:

Refrigeration a 5 °C required to maintain shelf life. Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

3 months shelf life at room temperature 6 months shelf life when stored in refrigeration

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