

## Capacitor Materials

### ET1845A



## Lead Free Solderable Silver End Termination

#### Description:

ET1845A is a Pb and Cd free silver end termination designed for axial and radial lead attachment to MLCC (multilayer ceramic chip capacitors). ET1845A offers excellent solderability and adhesive. ET1845A is supplied at a rheology suitable for machine dip application.

#### ● Key Benefits:

- Does not contain Pb or Cd
- Suitable rheology for machine dip application
- Excellent solderability

#### ● Typical Properties:

#### Metal Type:

Silver

#### Viscosity:

35-45 Kcps; Brookfield RVT  
Spindle SC4-14 and 6R cup  
@ 10 rpm, 25°C.

#### Solids:

75 - 77%

#### Solderability:

62Sn/36 Pb/2Ag @ 245°C  
5 sec dip, RMA Flux  
≥ 95% Solder Coverage

#### ● Recommended Processing Guidelines:

#### Drying:

150°C peak drying profile  
10 minutes at peak temperature  
20 minutes total cycle time

#### Firing:

780°C peak temperature  
Dwell time of 4-6 minutes

#### Thinner:

Terpineol (RV-372 or HVS-160)

#### Warranty:

Material guaranteed to meet specifications for 6 months from date of shipment.

#### Storage :

Store in a dry location at 5°C-25°C.

**DO NOT REFRIGERATE.**

Allow paste to come to room temperature prior to opening.

Spatulate well before using.

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The descriptions and engineering data shown here have been compiled by Heraeus using commonly-accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for a particular application.

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