

Technical Data Sheet

Low Temperature Co-fired Ceramic Systems DL10-108 LTCC Dielectric Paste

Application

DL10-108 is a screen printable, co-fireable dielectric specifically designed for compatibility with Ferro's L8 LTCC system.

Typical applications include conductor insulation, gluing fired L8 together and healing delaminated layers.

DL10-108 dielectric is formulated and processed to be RoHS compliant.

Typical Formulation Properties

- Viscosity: 50 Pa.s
- Solids: > 60%
- Fired Thickness: ~13 µm

Storage and Shelf-life: DL10-108 should be stored in a tightly sealed container at 10-25°C, in a dry place away from direct sunlight. Shelf life of a factory sealed container is minimum 6 months from date of shipment when properly stored.

Typical Process Parameters

Thinning: This paste is formulated at the appropriate viscosity for the intended application. Contact Technical Service for a recommended thinner to replace solvent loss.

Printing: A 325-400 mesh stainless steel screen with a 15µm emulsion is recommended for uniform deposition.

Drying: 10 minutes at 70°C in a box or conveyor drier with forced air flow.

Firing: 825°C for 10 minutes at Peak Temperature with an overall profile of 45 minutes.



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