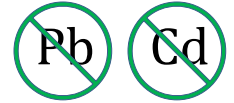


Technical Data Sheet

4441 Fugitive Paste Fugitive Paste for HTCC Applications Material # 1148026



Product Description

4441 is a fugitive paste composition that burns out cleanly at 850°C. This paste can be used to form channels in multilayer tape structures, or to increase porosity when mixed with other inks.

4441 is formulated to be Lead free and Cadmium free. The term “free” means that Lead and Cadmium have not been intentionally added to the product. However, trace amounts may be present.

An ESL-Electro Science Laboratory Legacy Product.

Typical Formulation Properties

Viscosity: 70 ± 15 Pa*s at 25.5°C ±0.5°C, when measured using a Brookfield HBT, cone and plate viscometer at 38.4 sec⁻¹.

Color: Black

Residue: < 0.1% after 30 min at 850°C in air.

Storage and Shelf Life: This product should be stored in tightly sealed containers at 20°C to 25°C, in a dry place away from direct sunlight. The shelf life of a factory sealed

container is a minimum 6 months from date of shipment when properly stored.

Typical Processing Recommendations

Leveling: 5 to 10 minutes at room temperature.

Drying: 10-15 minutes at 80°C

Compatibility: Ferro HTCC tapes such as the 42000 (Material # 1148364) & 44000 (Material # 1148457) series.

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