

Technical Data Sheet

5575 Platinum Conductor Via-fill Conductor Material # 1148512



Product Description

5575 is a platinum via-fill conductor designed to be co-fired with alumina tape or partially stabilized zirconia at high temperatures. Applications include via-fill in planar sensors.

5575 is formulated to be Lead free, Cadmium free and Phthalate* free. The term “free” means that Lead, Cadmium and Phthalate* have not been intentionally added to the product. However, trace amounts may be present.

*Phthalates listed in Annex XIV of REACH

An ESL-Electro Science Laboratory Legacy Product

Typical Formulation Properties

Viscosity: 700 ± 200 Pa*s at 25.0±0.5°C, when measured using a Brookfield HBT viscometer using spindle SC4-14 at 10 rpm.

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

Printing: 325 mesh stainless steel screen with a 20-30 µm thick emulsion.

Leveling: 5 to 10 minutes at room temperature.

Drying: 10-15 minutes at 80°C with forced air flow and exhaust.

Firing: Optimum results are obtained by firing at a peak temperature of 1500°C for 120 minutes.

Typical Fired Properties

Resistivity 5575: 35-65 mΩ/sq. at 25 µm

Limitation of Warranty and Liability

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