PLATINUM CONDUCTOR

ESL 5541-A is a screen-printable platinum conductor for use on 96% alumina ceramic substrates. The paste provides a low resistivity film with excellent adhesion.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable pastes

VISCOSITY:
(Brookfield HBT, SC4-14 spindle, 10RPM at 25.5°C±0.5°C) 315±100 Pa·s

SHELF LIFE: 6 months

PROCESSING:

SCREEN MESH/EMUSLION: 200-325 mesh/5 µm

PEAK FIRING TEMPERATURE: 1350 ± 10°C

TIME AT PEAK: 30 minutes

TYPICAL PROPERTIES:

RESISTIVITY: (10 µm fired thickness, fired at 1350°C) ≤ 20 mΩ/sq.

ADHESION: (1mm x 3mm pad, pull strength, fired at 1350°C) ≥ 12 N

SUBSTRATE OF CALIBRATION: 96% alumina

THINNER: ESL 401
**CAUTION:** Proper industrial safety precautions should be exercised in using these products. Use with adequate ventilation. Avoid prolonged contact with skin or inhalation of any vapors emitted during use or heating of these compositions. The use of safety eye goggles, gloves or hand protection creams is recommended. Wash hands or skin thoroughly with soap and water after using these products. Do not eat or smoke in areas where these materials are used. Refer to appropriate MSDS sheet.

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