CERMET PALLADIUM CONDUCTOR

RoHS Compliant* Conductor for Oxygen Sensors

ESL 6642 is a fritless palladium conductor available in screen-printable or pourable versions. The material is designed for use on partially stabilized zirconia for oxygen sensors.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable paste or pouring consistency

VISCOSITY:

Printing Grade (Brookfield RVT ABZ spindle, 10 rpm, 25.5°C±0.5°C)  200-300 Pa·s
Pouring Grade (Brookfield RVT #3 spindle, 10 rpm, 25.5°C±0.5°C)  5-6 Pa·s

BONDING MECHANISM: MICRO-LOK®

SHELF LIFE: 6 months

PROCESSING

SCREEN MESH/EMULSION: (Printing Grade) 325/25 µm

DRYING: 10-15 minutes, 70°C-125°C

FIRING RANGE: 1250°C-1450°C

TIME AT PEAK: 15 minutes

SUBSTRATE OF CALIBRATION: 96% alumina

THINNER ESL 401
* Complies with RoHS, ELV, WEEE and CHIP 3 EC directives.

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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