POROUS ZIRCONIA PASTE

RoHS Compliant* Porous Dielectric for Sensor Applications

ESL 4569 is a porous zirconia paste composition for use in planar sensors. It is a screen-printable thick-film paste.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable paste

VISCOSITY: 
(Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C) 400±100 Pa·s

PROCESSING

SCREEN PARAMETERS 80-200 mesh/ 5 µm emulsion

LEVELING TIME: (25°C) 5-10 minutes

DRYING AT 80°C: 10-15 minutes

TYPICAL PEAK SINTERING TEMPERATURE: 1450°C-1500°C/1.5 hours

SHELF LIFE: (at 25°C) 6 months

COMPATIBLE MATERIALS: ESL 42020 Tape
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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