GADOLINIA DOPED CERIA PASTE

Cadmium and Lead-free, for SOFC and other Fuel Cells*

ESL 4343 is an electrolyte paste composition that contains 20 mol% gadolinia doped ceria. It is a screen-printable or dispensable conductive thick-film paste.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable paste

VISCOSITY: (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C) 250±50 Pa·s

COLOR off-white

PROCESSING

SCREEN PARAMETERS 200 mesh/25.4-38μm emulsion

LEVELING TIME: (25°C) 5-10 minutes

DRYING AT 125°C: 10-15 minutes

FIRING: 1200-1300°C

SHELF LIFE: (at 25°C) 6 months

THINNER ESL 401

See Caution and Disclaimer on other side.
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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