



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

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YTTRIA STABILIZED ZIRCONIA PASTE

4481

RoHS Compliant* • For SOFC & Other Fuel Cells

ESL 4481 is an electrolyte paste composition that contains 8 mol% YSZ. It is a screen-printable or dispensable conductive thick-film paste.

PASTE DATA

Rheology:

Thixotropic, screen-printable paste

Viscosity:

(Brookfield RVT, 10 rpm,
ABZ spindle, 25.5 ± 0.5 °C)

250 ± 50 Pa.s

Shelf Life (20 - 25 °C):

6 months

PROCESSING

Screen Mesh, Emulsion:

200 S/S, 25.4 µm

Levelling Time (at 20°C):

5 - 10 min

Drying Time (at 125°C):

10 - 15 min

ESL Europe (KOP) 4481 0801-A

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See Caution and Disclaimer on page 2.

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*None of the six substances referred to in the RoHS Directive (2002/95/EC) are used in the formulation of this product.

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 vapours 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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