



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

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CO-FIRING POROUS PLATINUM CONDUCTOR

5570

**RoHS compliant* conductor designed for
use as an electrode in planar sensors**

ESL 5570 is designed to be co-fired with partially stabilized zirconia tape at high temperatures.

PASTE DATA

RHEOLOGY: Thixotropic, screen-printable paste
VISCOSITY: 70 ± 20 Pa•s
(Brookfield HBT, cone/plate, 38.4 sec⁻¹ at 20.0°C ± 0.5°C)
SHELF LIFE: 6 months

TYPICAL PROPERTIES

SCREEN MESH/EMUSLION: 325 mesh / 25 ± 5 µm
RESISTIVITY: 30 ± 10 mΩ/square
(12.5 µm fired thickness)
FIRING RANGE: 1500°C ± 10°C
see profile on back
TIME AT PEAK TEMPERATURE: 120 min.
SODIUM CONCENTRATION: ≤ 50 ppm
SUBSTRATE OF CALIBRATION: partially stabilized zirconia tape

5570 1004-B

ESL Affiliates

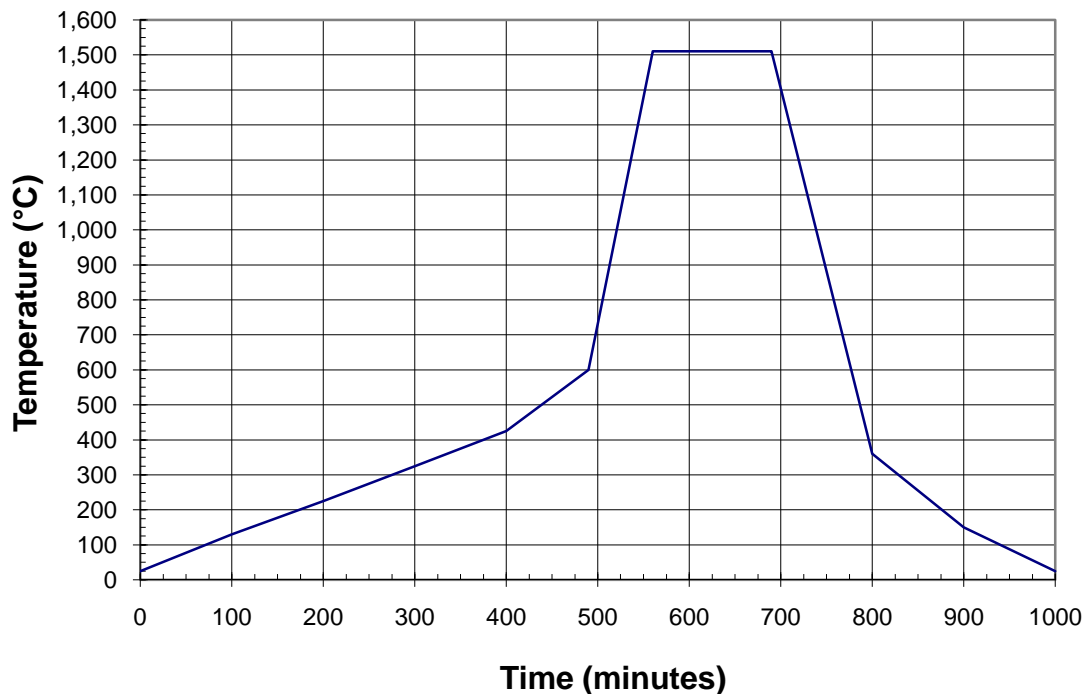
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See Caution and Disclaimer on other side.

Typical Firing Profile for 5570



5570 1004-B

*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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