



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

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CO-FIRING PLATINUM VIA-FILL CONDUCTOR

5575

**RoHS compliant* co-firable conductor designed
for use as a via-fill in planar sensors**

ESL 5575 is a platinum via-fill conductor designed to be co-fired with alumina tape or partially stabilized zirconia tape at high temperatures.

PASTE DATA

RHEOLOGY:	Thixotropic, screen-printable paste
VISCOSITY: (Brookfield HBT, SC4-14 spindle, 1 RPM at 25.0°C ± 0.5°C)	1300 ± 200 Pa•s
SHELF LIFE:	6 months

TYPICAL PROPERTIES

SCREEN MESH/EMUSLION:	325 mesh / 25 ± 5 µm in application, use a stencil
RESISTIVITY: (25 µm fired thickness)	50 ± 15 mΩ/square
FIRING RANGE:	1500°C ± 10°C see profile on back
TIME AT PEAK TEMPERATURE:	120 min.
SUBSTRATE OF CALIBRATION:	alumina tape

ESL Europe (KOP) 5575 1004-A

ESL Affiliates

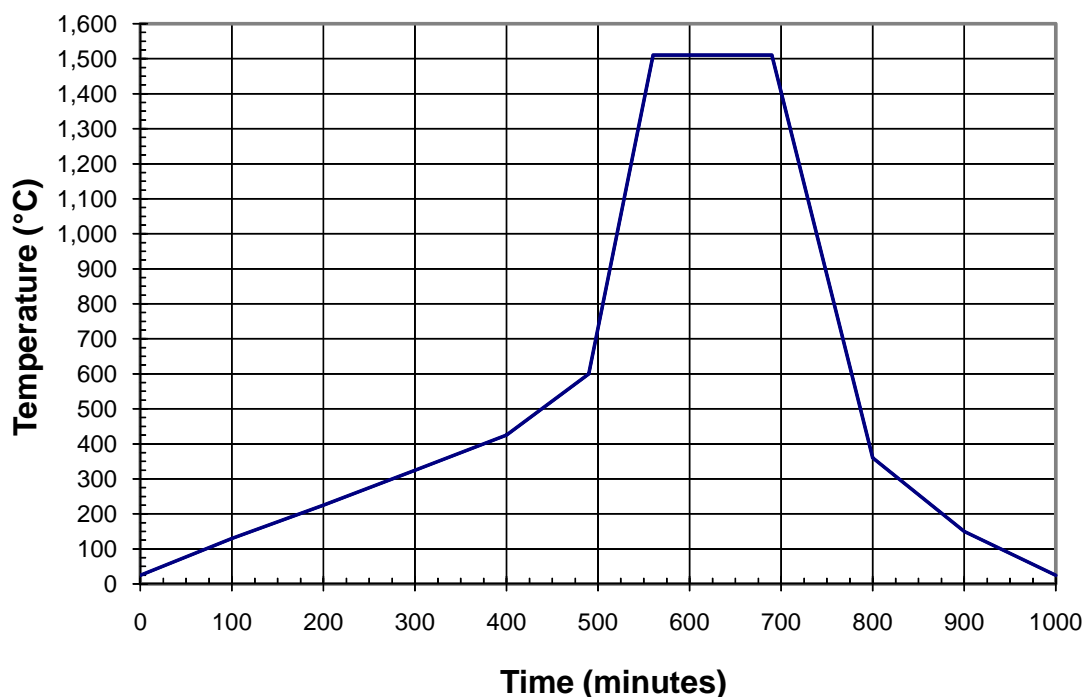
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See Caution and Disclaimer on other side.

Typical Firing Profile for 5575



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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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