



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

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DIELECTRIC COMPOSITION

4909-MOD

ESL 4909-MOD is designed for printing over fired thick film thermal printhead resistors. It provides excellent thermal conductivity as well as wear resistant surface.

PASTE DATA

Rheology:	Thixotropic, screen-printable paste
Viscosity: (Brookfield RVT, 10 rpm, ABZ spindle, 25.5 ± 0.5 °C)	70 ± 15 Pa.s
Colour:	White - Transparent when fired
Shelf Life (20 - 25 °C):	6 months

PROCESSING

Screen Mesh, Emulsion:	150 S/S, 25 - 40 µm
Levelling Time (at 20°C):	5 - 10 min
Drying Time (at 125°C):	10 - 15 min
Firing Temperature Range:	850°C
	Time at peak: 10 - 12 min
Substrate for Calibration:	96% alumina
Thinner:	ESL 401

ESL Europe 4909-MOD 9810-A

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See Caution and Disclaimer on other side.

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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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