



ESL ELECTROSCIENCE

CERAMIC TAPES &
THICK-FILM MATERIALS

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POLYMER PROTECTIVE COATING

241-S

RoHS Compliant*

ESL 241-S is the translucent version of 240-SB and may be used to protect resistors. Overcoated resistors are visible to assist trimming.

PASTE DATA

Rheology:	Thixotropic, screen-printable paste
Viscosity: (Brookfield RVT, 10 rpm, ABZ spindle, 25.5 ± 0.5 °C)	150 ± 25 Pa.s
Colour:	Translucent blue
Shelf Life (at 20 - 25 °C):	6 months

PROCESSING

Screen Mesh, Emulsion:	200 S/S, 25 µm
Levelling Time (at 20°C):	5 - 10 min
Drying Time (at 125°C):	10 - 15 min
Curing Schedule:	150°C / 2 hours or 200°C / 1 hour Optimum: 200°C / 1 hour
Substrate for Calibration:	96% alumina
Thinner:	ESL 402

ESL Europe 241-S 0209-B

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See Caution and Disclaimer on other side.

TYPICAL PROPERTIES

Cured Thickness: (measured on 96% alumina)	20 - 50 μm
Approximate Coverage:	120 cm^2/g
Volume Resistivity:	$>10^{10}\Omega\cdot\text{cm}$
Service Temperature:	-100 to +150°C
Insulation Resistance:	$>10^{10}\Omega$
Solvent Resistance:	Good resistance to Acetone when fully cured

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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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