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SOLAR CELL SILVER ALUMINUM PASTE 9925-G

RoHS Compliant* Photovoltaic Material

ESL 9925-G is a silver paste designed for the back-surface metallization of single crystal and polycrystalline silicon solar cells. The 9925-G is an aluminum-doped silver paste that contains a cadmium-free, lead-free glass developed to promote a balance between ohmic contact, solderability, and adhesion.

The recommended materials to be used in conjunction with 9925-G are 9980 Series front-surface silver and 2590 Series back-surface aluminum metallizations.

PASTE DATA

RHEOLOGY:	Thixotropic, screen printable paste
VISCOSITY: (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C)	100±40 Pa•s
SHELF LIFE: (25°C)	6 months

PROCESSING

SCREEN MESH/EMULSION:	180-325/25 μm
LEVELING TIME: (25°C)	5-10 minutes
DRYING AT 125°C:	10-15 minutes
FURNACE SET POINT:	840-910°C
TIME ABOVE 600°C:	typically 5-8 seconds
THINNER:	ESL 401 or ESL 413

Note: When used with the ESL 2590 Series materials, 9925-G should be printed first. The aluminum paste should be printed second so that it overlaps the silver but leaves an exposed silver pad. The materials can then be co-fired to provide a solderable contact pad.

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See Caution and Disclaimer on other side.

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*** Complies with RoHS, ELV, WEEE and CHIP 3 EC directives.**

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 vapors 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.