OVERGLAZE COMPOSITION 4774-BCG

Low-Temperature-Firing Overglaze for Resistors

ESL 4774-BCG is a low temperature screen printable green resistor overglaze especially formulated for laser trimming when used with ESL Resistor Systems.

PASTE DATA

RHEOLOGY: Thixotropic, screen printable paste

VISCOITY: (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C) 275±40 Pa·s

COLOR: Green

SHELF LIFE: (at 25°C) 6 months

PROCESSING

SCREEN MESH/EMULSION: 325/37.5 µm
LEVELING TIME: 5-10 minutes
DRYING AT 125°C: 10-15 minutes
FIRING TEMPERATURE: 525°C-565°C
TIME AT PEAK: 10-15 minutes
SUBSTRATE FOR CALIBRATION: 96% alumina
THINNER: ESL # 401

TYPICAL PROPERTIES

FIRED THICKNESS: 12-18 µm
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.

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