FUGITIVE TAPE

Organic-Based Tape for use in Creating Channels in Sensors

ESL 49000 is a flexible cast film of fugitive powder dispersed in an organic matrix. This material is designed to be burned out in the temperature range of 600°C-700°C to yield a void where the tape was placed. ESL 49000 tape is provided on a silicone-coated polyester film to protect the tape from mechanical damage and aid in handling.

This tape is generally used with zirconia or alumina green tapes and can be co-fired for use in oxygen sensors.

**TAPE THICKNESS:**

125µm +/- 10%

(custom thicknesses available)

**PROCESSING:**

Parts are formed by blanking sheets of the tape to the required green size prior to firing. The burnout cycle depends on the part configuration and size.

**TYPICAL FIRING PROFILE FOR PARTS:**

Depends on matrix tapes
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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