ALUMINA TAPE

High Temperature RoHS Compliant* Co-Fired Ceramic

ESL 44009 is a flexible cast film of 96% alumina powder in an organic matrix. This material is designed to be fired at 1500°C to yield a dense white-colored alumina ceramic. The 44009 is provided on a polyester film to protect the tape from mechanical damage and aid in handling.

PROCESSING PARAMETERS

LAMINATING: 21 MPa at 70°C
FIRING TEMPERATURE: 1500°C
TIME AT PEAK: 2.0 hours

TAPE CHARACTERISTICS

TAPE THICKNESS: 200μm ± 10%
SHRINKAGE: (90° layer rotation) XY: 15.0 -17.0
FIRE DENSITY: ≥3.6 g/cc
44009 1411-NEW

*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.

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