4026 Series 0401 C

**DIELECTRIC COMPOSITION**

ESL 4026 glass paste is designed for sealing ceramic (alumina) plates at a low temperature. Provided in screen printable form, the glass has a coarse particle size that makes it useful for sealing with thick cross-sections. When properly fired, ESL 4026 produces, transparent seals that can be used in a variety of packaging and hermetic sealing applications. Except for color, the 4026-GREEN and 4026-BLUE are similar in all respects to the 4026.

**PASTE DATA**

**RHEOLOGY:** Thixotropic, screen printable paste

**VISCOSITY:**
- (Brookfield RVT, ABZ Spindle, 10 rpm, 25.5°C±0.5°C) 225±25 Pa·s

**COLOR:**
- 4026: Colorless
- 4026-BLUE: Blue
- 4026-GREEN: Green

**SHELF LIFE:** 6 months

**PROCESSING**

**SCREEN MESH/EMULSION:** 200/38 µm

**LEVELING TIME:** (25°C) 5-10 minutes

**DRYING AT 125°C:** 10-15 minutes

**FIRING TEMPERATURE RANGE:** See profiles on back page
- **BURN-OFF CYCLE** (30 minutes) 325°C-375°C Rate-40°C/minute
- **SINTERING CYCLE** (30 minutes) 375°C-550°C Rate-40°C/minute
- **SEALING CYCLE** (30 minutes) 550°C-625°C Rate-20°C/minute

**SUBSTRATE FOR CALIBRATION:** 96% alumina

**THINNER:** ESL 401

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TYPICAL PROPERTIES

FIRED THICKNESS: (One layer) 18±8 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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