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128-40(S)

HIGH DIELECTRIC CONSTANT INK

DESCRIPTION: 128-40(S) is a screen-printable high dielectric constant ink, and coating. This product features excellent adhesion to ITO (Indium Tin Oxide) sputtered surfaces, Mylar®, glass and a variety of other surfaces. Unlike conventional materials, this product is very resistant to flexing, and creasing. Some applications for 128-40(S) include but are not limited to printing of capacitive layers for EL panels and insulation of low voltage circuitry. 128-40(S) features improved scratch resistance compared to similar high dielectric materials.

TYPICAL PROPERTIES:

| | |
|---|-----------------|
| Viscosity (cps) | 15,000 – 20,000 |
| Crease Resistance | Excellent |
| Dielectric Constant | 40 |
| Coverage (1 gram @ 1 mil, cm ²) | 85 |
| Useful Temperature Range (°C) | -55 to +200 |
| Thermal Stability (°C) | Good to +225 |

SUGGESTED HANDLING & CURING: 128-40(S) is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI 113-12 or 127-17 thinners. Prior to using, be certain to resuspend filler. Best properties, for most applications, result when cured for 30 minutes 175°C. Good properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 110°C to 175°C. This product is not recommended for applications that cannot cure below 110°C.

STORAGE: Shelf Life – up to 4 months at 25°C; 6 months at 5°C; or 12 months at -20°C.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin.