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ENGINEERING DATA SHEET
FLUOROPOLYMER OVERCOAT FO-121-CA

FO-121-CA is a transparent modified fluoropolymer coating used for electronic circuit and component protection. This material, when properly cured, yields a chemically inert film which helps to prevent the effects of corrosion, moisture, oxidation, abrasion, and thermal shock. Primary applications include the overcoating of flexible and rigid circuit boards, solar cells, and EL lamp devices. The cured film exhibits outstanding moisture resistance and provides reliable electrical insulation.

COMPOSITION PROPERTIES:

Color	Clear
Viscosity*	2-10 Kcps (Brookfield RVT, Spin #7, 20 rpm, 25°C)
Cure Schedule	10 minutes @ 120°C or 24 hours @ 25°C
Service Temperature	-100 to 130°C
Dielectric Breakdown	> 500 volts/mil
Dielectric Constant	8
Thinner**	PC, DPM, MEK, or Tolulene
Shelf Life***	3 months @ 25°C (sealed container)

* FO-121-CA is optimized for doctor blade applications and thinning is not normally necessary. However, thinner may be added, with thorough blending, to replace solvent loss or to make slight adjustments for ease of application. In handling and using organic solvents, the safety precautions recommended in the MSDS should be observed.

** Recommended formulas to cut for spray applications.

OPTIONS:

- **FO-121-C / MEK** **Ratio**: 75/25 **Viscosity**: 325 cps ± 25
- **FO-121-C / MEK-TOLULENE MIX** **Ratio:** 75/25 **Viscosity**: 500 cps ± 25
- **FO-121-C / Tolulene** **Ratio:** 75/25 **Viscosity:** 750 cps ± 25

*** Coating can become slightly gelatinous if stored in a low temperature environment. Gentle warming to 30-50°C will restore material to its original consistency.

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