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## 108-36

### OPTICAL HARD COAT AND DIELECTRIC

**DESCRIPTION:** 108-36 is an optically clear coating suitable for application by spinning, dipping and spraying. This system is designed to maintain stable viscosity during all application methods and has a low odor. The product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional optical materials, this product is very resistant to abrasion, scratching and thermal aging. Some applications for 108-36 are the coating of optical lenses, applying clear coat finishes, and any other application where high visibility is needed in conjunction with scratch resistance.

#### TYPICAL CURED PROPERTIES:

Viscosity (cps)	350
Crease Resistance	Excellent
Scratch Resistance	Excellent
Hydrolytic Stability	Excellent
Volume Resistivity	$1 \times 10^{15}$
Useful Temperature Range (°C)	-55 to 200
Thermal Stability (°C)	Good to 325

**SUGGESTED HANDLING & CURING:** 108-36 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner 126-25 or 113-12. Good properties, for some applications, result when cured for 15 minutes at 125°C. For improved properties, a one hour at 165°C cure is recommended. Not recommended for applications that cannot cure above 110°C. End user is advised to determine experimentally temperature and time best suited for individual applications.

**STORAGE:** Shelf life: 2 months at 25°C; or 6 months at 5°C; or 12 months at -10°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.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to suitability in a particular application or possible infringements on patents.

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