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122-32

OPTICAL HARD COAT AND DIELECTRIC

DESCRIPTION: 122-32 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 122-32 are the coating of optical lenses, applying clear coat finishes, and any other application where high visibility is needed in conjunction with scratch resistance. 122-32 is a higher viscosity version of CMI# 108-36.

TYPICAL CURED PROPERTIES:

Viscosity (cps)	300 - 400
Crease Resistance	Excellent
Scratch Resistance	Excellent
Hydrolytic Stability	Excellent
Volume Resistivity	1×10^{15}
Useful Temperature Range (°C)	-55 to 200
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: 122-32 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner #203 (102-03). Good properties, for most applications, result when cured for 15 minutes at 125°C. For improved properties a slightly longer cure is recommended. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 50°C to 150°C. End user is advised to determine experimentally temperature and time best suited for individual applications.

STORAGE: Shelf life: 1 month at 25°C; or 4 months at 5°C; or 9 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.