creative materials
incorporated

141 Middlesex Road (RT. 3A) • Tyngsboro, MA 01879 • (978) 649-4700 • FAX (978) 649-2040 • www.creativematerials.com

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.

REVISION DATE: 2/20/02 REVISION: A