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ENGINEERING DATA SHEET
UV BLOCKING OVERCOAT 3200-UVR-2

3200-UVR-2 is a screen printable, modified polyester coating with UV blocking inhibitors. It was designed for electronic circuit and component protection from exposure to UV radiation, oxidation, abrasion, moisture, and thermal shock. Primary applications include the overcoating of flex circuits and EL lamp devices which will see outside exposure to daylight. The cured film has excellent mechanical properties and exhibits outstanding adhesion to both Mylar and Melinex polyester films.

COMPOSITION PROPERTIES:

Color	Transparent
Viscosity	6-14 Kcps (Brookfield RVT, Spin #7, 20 rpm, 25°C)
Fineness of Grind	< 10 microns
Cure Schedule	12-15 minutes @ 100-125°C
Dielectric Strength	> 500 volts/mil
Volume Resistivity	1 x 10 ¹³ ohms-cm
Tape Adhesion	Excellent
Thinner*	3200-T
Screen Cleaner	3200-SC
Shelf Life	Six months @ 25°C (Sealed container)

* 3200-UVR-2 is optimized for screen printing applications and thinning is not normally necessary. However, thinner 3200-T 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.

PROCESSING PARAMETERS:

Mixing	The material should be thoroughly stirred or shaken prior to use.
Screening	165-270 mesh nylon or stainless steel screen with a 0.5-1.0 emulsion thickness.
Leveling	1-3 minute leveling period is recommended prior to drying to help eliminate pinholes.
Curing	Excellent results have been obtained by convection curing for 12 minutes @ 100°C. Optimum cure cycles using radiant or convection conveyor ovens are best determined experimentally.

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