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ENGINEERING DATA SHEET
UV BLOCKING OVERCOAT 3810

3810 is a screen printable, modified vinyl 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 over coating 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. This coating offers protection against UV radiation in wavelengths from 280 to 420 nm.

COMPOSITION PROPERTIES:

Color	Transparent
Viscosity	250-1,250 cps (Brookfield LVT, Spin #2, 12 rpm, 25°C)
Fineness of Grind	<1 microns
Cure Schedule	12-15 minutes @ 100-125°C
Tape Adhesion	Excellent
Thinner*	MEK
Screen Cleaner	3200-SC
Shelf Life	Six months @ 25°C (Sealed Container)

* 3810 is optimized for doctor blade applications and thinning is not normally necessary. However, thinner MEK 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.

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