

Epoxies, Ect. 60-7170

Epoxy; Epoxide

Epoxies, Etc.

Message:

UV Cure 60-7170 is a one- component epoxy that cures with low intensity black light or high intensity UV lamps. UV 60-7170 is water clear and is designed to be used as an adhesive, coating, or encapsulant. This system is moisture and chemical resistant.

UV Cure 60-7170 is a good choice for potting and encapsulating applications due to its ability to deep section cure up to ¾ inch. Another unique and important feature is its ability to "dark cure." Once exposed to UV light the UV Cure 60-7170 will continue to cure in the absence of light. This is advantageous when potting or joining substrates with shadow areas. UV Cure 60-7170 may also be heat cured as a secondary cure operation.

UV Cure 60-7170 is not affected by oxygen and will not have a sticky or greasy surface. The surface is rigid, smooth, and glossy when properly cured. UV Cure 7170 bonds to metal, plastic, paper and ceramic.

UV Cure 60-7155 is a lower viscosity version of UV Cure 60-7170.

- Features:
- One component
 - Excellent adhesion
 - Contains no solvents
 - Good electrical insulation
 - Low shrinkage
 - No out gassing
 - Will shadow cure
 - Good weathering resistance
 - Cure is not inhibited by oxygen
 - Low odor

General Information		
Features	Bondability	
	Electrically Insulating	
	Good Adhesion	
	Good Chemical Resistance	
	Good Weather Resistance	
	High Clarity	
	Low Shrinkage	
	Low to No Odor	
	Low to No Water Absorption	
Uses	Adhesives	
	Coating Applications	
Appearance	Clear/Transparent	
Processing Method	Encapsulating	
	Potting	
Additional Information	Nominal Value	Unit
Operating Temperature	-50.0 to 200	°C
Uncured Properties	Nominal Value	Unit
Color	Clear/Transparent	

Solids Content	100	%
Density (25°C)	1.09	g/cm ³
Viscosity (25°C)	4.5	Pa·s
Shelf Life (40°C)	> 1	month
Cured Properties	Nominal Value	Unit
Tensile Strength	42.7	MPa
Electric Strength	17	kV/mm

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