



LOCTITE® ECCOBOND UV 9060F

Designed to protect environmentally susceptible components, LOCTITE® ECCOBOND UV 9060F delivers an impermeable barrier to potential damage from environmental factors and offers manufacturers cure-process flexibility and deposition traceability. This material provides tough protection against the destructive effects of environmental contaminants like moisture and fluids, such as beverages and perspiration. Designed for high-UPH production environments, LOCTITE® ECCOBOND UV 9060F cures quickly with UV light in less than 30 seconds and contains an additional cure mechanism to ensure that shadowed areas, not exposed to UV light, are fully cured.

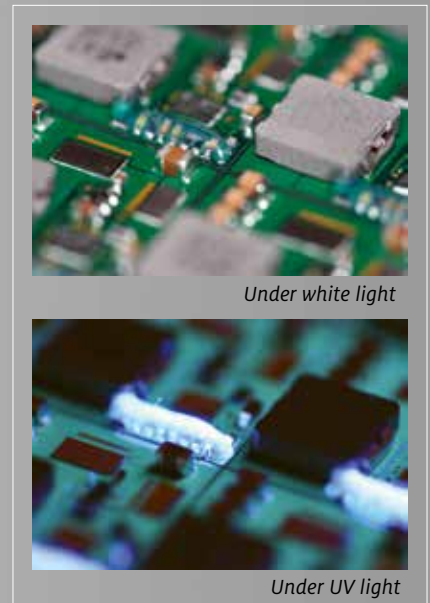
TYPICAL PROPERTIES OF UNCURED MATERIAL

APPEARANCE	TRANSLUCENT LIGHT BLUE	
Viscosity by rheology	5s-1, pa.s	12.04
	Ti	5.38
Density	(g/cm ³)	1.21

DEPTH OF CURE

Depth of cure, inch	>0.25*
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*Cures at least 0.25 inch under optimal conditions.





TYPICAL CURING PROFILE

LIGHT SOURCE AND CONDITION:	
Metal halide doped spectrum UV lamp power, W/in.	300
Distance between lamp to substrate, inches	4
Irradiance UVA, EIT puck radiometer, mW/cm ²	566
Recommended dose, seconds	5 to 25

TYPICAL PROPERTIES OF CURED MATERIAL

Hardness, shore D, after initial UV dose of 6.4 J/cm ² , moisture cure condition of 50%RH @ room temperature	Initial, after UV cure	15
	+ 7 days moisture cure	76
TMA, ppm/°C (UV cure + 7 days moisture cure, 50% RH)	Glass transition temperature (Tg), °C	75
Storage modulus, DMA @ 25°C	N/mm ²	2.200

PRODUCT BENEFITS

- Halogen free
- Fast cure
- One component
- Cures in shadowed areas
- Easy dispensability without stringing (jet capable)
- Fluorescent under UV light

CURE

Ultraviolet (UV)/moisture

APPLICATION

Encapsulation for sensitive components

LOCTITE® ECCOBOND UV 9060F is used to encapsulate discrete components and logic devices near or around openings where environmental contaminants may be introduced onto PCBs. LOCTITE® ECCOBOND UV 9060F is used to protect sensitive circuits from environments, such as water immersion, soda immersion, salt water spray and synthetic sweat. The unique rheology of LOCTITE® ECCOBOND UV 9060F allows it to be easily jetted or dispensed to cover components completely without slumping off corners and edges, thus exposing devices to harmful environmental conditions.

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Around the Globe.**
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