



LOCTITE® STYCAST PC 62

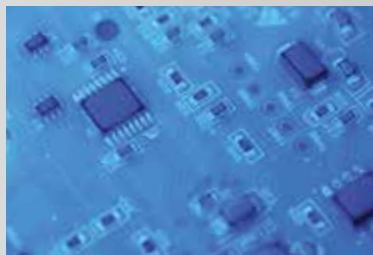
Toluene-Free Acrylic Conformal Coating

LOCTITE® STYCAST PC 62 is a one-component, solvent-based acrylic conformal coating that provides environmental and mechanical protection for printed circuit boards (PCBs). This RoHS-compliant coating is toluene-free, but behaves like a traditional solvent-based system.

Designed for high reliability, LOCTITE® STYCAST PC 62 is ideal for any environment in which a PCB will be subjected to harsh conditions, particularly automotive, as well as industrial and consumer white goods applications.



Under white light



Under UV light



Nordson SC-300 Swirl Coat applying conformal coating.



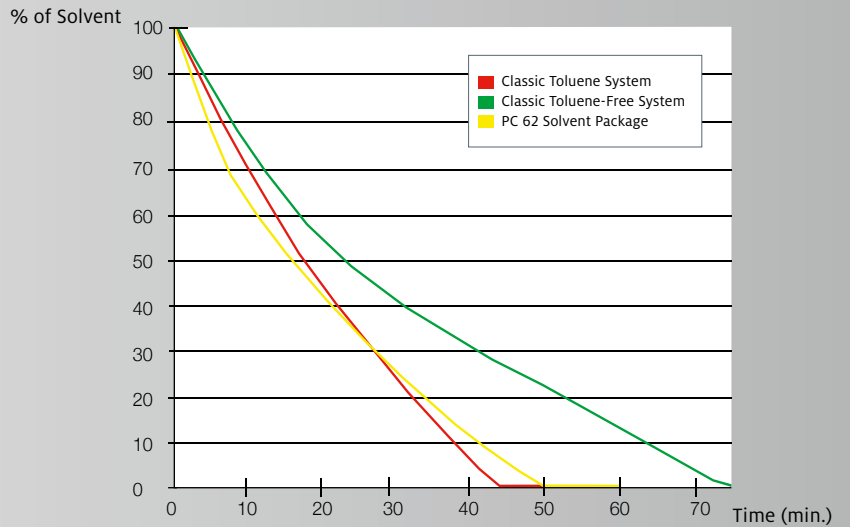
PRODUCT ATTRIBUTES

- Toluene-free
- Fast drying
- Acrylic chemistry
- Conforms to UL746C & IPC-CC-830B

BENEFITS

- Low hazard for end user
- Fast processing without cobwebbing
- Direct replacement for toluene-based systems
- Easy to repair / rework
- Meets high reliability standards
- UL 94-V0 certified

Relative Solvent Drying Times



The plot illustrates the comparative drying times among a classic toluene-based system, a classic toluene-free system and LOCTITE® STYCAST PC 62.

PROPERTIES					
Physical	Fluorescent	Positive when viewed with ultraviolet light (black light)	Electrical	Insulation Resistance, ohms (~50 µm film / 25°C - 50% R.H.)	> 2.3 x 10 ¹⁴
	Fungus Resistance	Non-nutrient per ASTM G21		Dielectric Strength, kV/mm	78
	Continuous Operating Range, °C	-40 to 125			

DRYING SCHEDULES	
Tack-Free Time on Glass Plate (~25°C / ~35% R.H. / 120 µm wet film)	< 5 min.
Accelerated Drying Time	45 min. at 75°C
Room-Temperature Drying Time	24 hrs.
Optimum Properties	24 hrs. at 25°C

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