

Gemini[®] Fluoro PCB Conformal Coating PCBD-520

[Introduction]

PCB Conformal Coating PCBD-520 is obtained from perfluoroalkyl-modified acrylate. It is for moisture and corrosion protection of PCBs and electronic components. The coating dries to a thin, transparent film with excellent hydrophobic and oleophobic properties. It no needs heat curing and is easy to apply, remove and repair.

[Characteristics]

- It can be easy and quick processed
- Excellent water repellency and corrosion prevention
- Rapid drying time 30 seconds
- Does not harm printed circuits or mounted parts
- None flammable, low toxicity, non ozone depleting
- Higher waterproofing performance than non-fluorochemical coating

[Typical Properties & Performance]

Properties	Units	Test Method	PCBD-520
Solid	Wt%	/	20
Physical State	/	Observation	Clear colorless liquid
Density	g/cm ³	/	1.4~1.5
Boiling Point	°C	/	76
Flash Point	°C	Closed cup	No flash point
Water Contact Angle	°	10~20 μ L Water	>115
Hexadecane Contact Angle	°	10~20 μ L Hexadecane	>75
Coating Thickness	μm	/	0.2~1
Thermal Shock	/	-40°C × 1hr ⇄ 70°C × 1hr, 24 cycle	Good
High Temp/High Humidity	/	85°C × 85%RH × 48hrs	Good
Salt Water Spray Test	/	5% NaCl, temperature 35°C, test time 72 hrs	Good

[Processing Method]

Dipping 、 Spray(preferred)

Dilute PCBD-520 with solvent (3M 7200 etc.) to 2~5 wt% solid content

Clean and dry the base material before processing

Evenly spray

Dry in room temperature for 30 seconds

Others

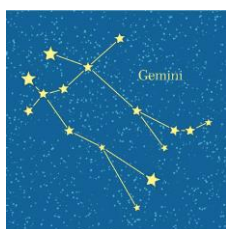
Selective fluorescent tracer

[Attention]

- During processing, avoid direct contact with the skin, using gloves and safety glass in the test. If skin contacts with products, immediately wipe with a dry cloth and then wash skin with soap and water, If eyes contact with products, immediately flush eyes with plenty of water for at least 5 minutes, and call a physician.
- Keep the container sealed and store in cool、 well ventilated locations.

[Packaging/Transport]

25Kg,50Kg plastic jug. Not classified as dangerous in the meaning of transport regulations



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