Becoat 9060 Conformal Coating

Type

Transparent one-part,

low viscosity

Packing

- Dry and airtight storage under 25℃ for 12 months
- 1 kg / bottle, 18 kg / barrel
- 100ml/ branch

Potential Uses

Forming a durable coating to separate water vapor and pollutants

Various electronic components, IC chips, thick film circuits and printed circuit boards

FEATURES

- It is easy to brush, spray and dip coating, with fast curing speed
- It contains fluorescent indicator and can be checked after sizing.
- Good adhesion, no corrosion. Good adhesion to all kinds of circuit boards without corrosion.
- Stable and elastic at - 60 ℃ - 280 ℃
- Excellent dielectric properties

TYPICAL PROPERTIES

Property	9060	9061
Color	Transparent	Transparent
Density（g/cm^3，25℃）	0.99 ± 0.03	0.99 ± 0.03
Viscosity（ mPa.s ）	600	1000
Surface dry time（min，25℃）	8～12	15～20
Initial curing (hr,25℃) 0.1mm	0.5	1
Total dry time（hr，25℃）	72	72
Hydrophobicity（HC value）	Level 1	Level 1
Hardness(Shore A)	20±3	20±3
Tensile strength（MPa）	0.3	0.3
Elongation（%）	100	100
Temperature range(℃)	-60～280	-60～280
Volume resistivity (Ω·cm)	≥1.0×10^{15}	≥1.0×10^{15}
Dielectric strength (kV/·mm)	≥20	≥20
Dielectric constant (1.2MHz)	2.9	2.9

USE

- Clean the surface thoroughly, keep dry and loose debris.
- SFor a small amount of spraying, manual spray gun can be used to spray automatically, and 100% of the coating can be directly used. The thickness of the primary coating is generally between 0.1-0.4mm. If you want to get a thicker coating, it is better to apply two thin layers, and it is required that the second layer can be applied only after the first layer is completely dried

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- After construction, it can be placed on the support and solidified at room temperature. Heating can speed up the curing rate, and the recommended heating temperature is 50 ℃ - 60 ℃ 5-10 mins.

- To repair the coated components, the components can be removed only by contacting the soldering iron directly with the coating. Then install new components and parts, and then clean the area with brush or solvent; or clean the area with solvent; after drying, paint again.

Oxygen permeability and polymer permeability of various materials

Oxygen permeability of various materials	
Material type	Permeability
Methylalkoxy group	60
Natural rubber	2.4
low density polyethylene	0.8
High density polyethylene	0.1
butyl rubber	0.14
High density polystyrene	0.12
Nylon 6	0.004
Polymer permeability（1 mm）	
Material type	Permeability
polyolefin	2
polyurethane	25
Acrylic ester	16
Silicone resin	47
Silicone rubber	100

Limited warranty information---Please read carefully

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that BEGINOR’s products are safe, effective, and fully satisfactory for the intended end use.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.