

Basic Data And Instructions For Use

Product features:

White flame-retardant adhesive, UL94 V-0, One-part and non-corrosive. In the temperature range of -50 ~ 220°C, it offers excellent sealing, insulation, shock absorption, moisture resistance, and waterproof properties. It adheres well to materials such as plastics, glass, metals, ceramics, and alloys.

Application fields:

Widely used for the bonding and fixing of electronic components or wires in high-power circuits and power modules, as well as for vibration damping, anti-dry soldering, waterproofing, and other protective purposes. It can also be applied to shell sealing and the plugging and sealing of holes.

Basic Parameters of HC-831W

Attribute	Value	Attribute	Value
Reaction Type	Alcohol-releasing Type	Exterior	White, Non-flowing
Surface Curing Time	5~15 min	Full Curing Time	8~24 hour
Specific gravity	1.1~1.2 (25°C)	Viscosity	45000~50000 mPa.S
Hardness	50~60 Shore A	Fracture Elongation	150~180 %
Tensile Strength	≥1.2 MPa	Shear Strength	≥1.5 MPa
Volume Resistivity	≥2×10 ¹⁴ Ω·cm	Breakdown Voltage	18~25 KV/mm
Dielectric constant	4	Temperature Range	-50 ~ 220°C
Thermal Conductivity	0.5~0.6W/(m·K)	Flame retardant rating	UL94 V-0

Product appearance of HC-831W



Packaging specifications of HC-831W



Instructions for use and precautions

Clean the surface before applying the silicone adhesive.

No need for mixing, directly apply an appropriate amount of this silicone adhesive to the surface to be coated.

This silicone adhesive cures by exposure to air, starting from the surface and progressing inward. A larger surface area in contact with air and a thinner thickness result in faster curing.

Low temperature and humidity can affect the curing speed, it is recommended to consider increasing the humidity and temperature (not exceeding 60°C) appropriately to help accelerate the curing process .

Recommends that you use it within 6 months from the date of manufacture. If it exceeds 6 months, it can still be used if it meets the usage requirements after testing.

This silicone glue is developed for general industrial use. If it is used for food contact, medical, or other special purposes, please ensure safety through testing before use.

Please test it first to confirm that it meets the requirements before using it in bulk.

