



SA-4825

Silicone Sealant

UL File No. : E354546

Applications

Ideal for electrical and electronic components for applications like fixture, insulation, sealing, shock/vibration resistance and moistureproof.

Features

- SA-4825 is a single component silicone rubber adhesive. Cured at room temperature. Working temperature range is -60°C to 200°C after cured. Retains stable performances after environmental aging and temperature change.
- Excellent electrical insulating properties and chemical stability, with moisture resistance, ozone resistance and good weather resistance.
- Good flame retardancy, widely used in various electronic components and electrical equipment.
- Outstanding adhesion to general metals and most substrates.

Typical Specifications

Color	:	White
Viscosity	:	@25°C Semi-flowing liquid
Tack-free time	:	@25°C 5 - 10 Mins
Hardness	:	Shore A 25 - 35 (Fully Cured)
Tensile Strength	:	1.2 Mpa
Elongation	:	200 %
Shear Strength	:	1.0 Mpa
Dielectric Constant	:	1MHz 2.5
Dissipation Factor	:	1MHz 5×10^{-3}
Volume Resistivity	:	2×10^{13} ohm-cm
Dielectric Strength	:	20 kV/mm (508 volts/mil)
Flammability	:	UL94 V-0
Shelf Life	:	@25°C, Unopened 6 Months

※The curing speed is related to the temperature and humidity in air. The higher the temperature and the humidity are, the faster the curing is.

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UL MIL 絕緣材料・粘膠・溫控器材

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JA1503-449