

SOLAR SILICONE

Guibao 563 Silicone Sealant for Solar Modules

One part RTV silicone specially designed for solar modules

FEATURES

- One part, easy to use
- Excellent adhesion
- Stable and flexible from -50°C to +180°C
- Excellent electrical insulation performance
- Protects from mechanical shocks and chemical mediators
- Excellent weatherability and ozone resistance

- Excellent watertight seal property
- Sufficient protection of wafers from contamination or oxidation
- Non-toxic ,non-corrosive

BASIC USES

Guibao 563 silicone sealant for solar modules is specially designed for the following purposes

- Sealing and bonding the frames of solar modules
- Sealing and boning the junction boxes of solar modules

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Test Method	Property	Unit	Result	
GB/T 13477	Density		fine paste	
GB/T 13477 (ISO 7390)	Slump	mm	0	
GB/T 13477 (ASTM D 2377)	Tack free time	min.	12	
GB/T 13477 (ISO 7619)	Hardness	Shore A	50	
GB/T 528 (ISO 37)	Tensile strength	Initial strength	MPa	2.1
		85°C,85% RH,1000h	MPa	1.4
GB/T 528 (ISO 37)	Elongation at break	Initial strength	%	360
		85°C,85% RH,1000h	%	360
GB/T 7124 (ISO 4587)	Shear strength	MPa	1.15	
GB/T 1695 (ASTM D 149)	Dielectric breakdown strength	kV/mm	20.5	
GB/T 1692	Volume resistivity	Ω·cm	1×10 ¹⁵	
GB/T 2048	Fire resistance rate		HB	
	Cure time, 3mm	h	24	

*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

PACKAGING

Guibao 563 is available in disposable cartridges (net 280ml), or sausages (net 590ml), or drums (net 188L, about 250kg).

COLOURS

Guibao 563 is available in white, black and other customized colours.

STORAGE AND SHELF LIFE

- Guibao 563 should be stored in original unopened containers over the temperature from 4°C to 27°C. It has a shelf life of 12 months from the date of manufacture.
- Guibao 563 is solvent free, non-hazardous for transportation.

HOW TO USE

- Apply a bead of Guibao 563 to one of the prepared surfaces, then quickly cover with the other substrate to be bonded and remove the excess sealant
- Tool immediately before a skin forms
- A plug of used material may form in the tip of a tube or cartridge during storage. This is easily removed and does not affect the remaining contents.
- Air pressure should be maintained at 0.2~0.4MPa when using pneumatic gun.

SAFETY INFORMATION

- Guibao 563 is a chemical product, not edible, no implantation into body and should be kept away from children.
- Should uncured silicone sealant contact with eyes, rinse thoroughly with water and seek medical treatment if irritation persists.
- Avoid prolonged periods of exposure of skin to uncured silicone sealant.
- Good ventilation is necessary for work and cure places.

WARRANTY

GUIBAO has been certified by ISO9001, ISO14001 and OHSAS18001. The whole production process goes strictly in conformity with the regulations of the three systems.

AVAILABILITY

Guibao silicone sealants are available from Guibao company or local distributors.

DISCLAIMER

The information presented herein is offered in good faith and is believed to be accurate. However, because conditions and methods of using our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for specific applications

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