

GB 661 Neutral Auto Light Silicone Sealant

One part, neutral RTV silicone sealant designed for automotive lights

FEATURES

- One part, neutral room temperature cure to form an elastomeric rubber
- Stable performance from -55°C to $+180^{\circ}\text{C}$
- Excellent unprimed adhesion to a wide range of materials such as metal, plastic, porcelain and glass
- Low volatile

PACKAGING

GB 661 is available in cartridges (net 310ml), or in plastic pail (net 25kg), or in 200L drums (net 250kg)

COLOURS

GB 661 is available in black, grey and other customized colours

BASIC USES

GB 661 Neutral Silicone Sealant is specially designed for

- Watertight bonding and sealing automotive lights
- Watertight seal of electronics and communication equipment
- Watertight seal of other high-end lights

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications

Test Method	Property	Unit	Result
As supplied			
	Appearance		Non-flowing paste
GB/T 13477 (ISO 7390)	Slump	mm	0
GB/T 13477 (ASTM D 2377)	Tack free time(23°C)	min.	15-30
Cured after 7 Days, at 23°C and 45%~55% RH			
	Appearance		Elastomeric
GB/T 531 (ISO 7619)	Hardness	Shore A	35-40
GB/T 528 (ISO 37)	Tensile Strength	MPa	2.3-2.8
GB/T 528 (ISO 37)	Elongation at break	%	350-500

*GB: Chinese National Standard

ASTM: American Society for Testing and Materials

ISO: International Standardization Organization

STORAGE AND SHELF LIFE

GB 661 has a shelf life of 9 months from the date of manufacture and should be stored in cool and dry places.

LIMITATIONS

GB 661 should not be applied

- As structural sealant
- In totally confined spaces
- In continuous water immersion
- When material surface temperature is below 4°C or over 50°C.

HOW TO USE

Surface Preparation

All surfaces of the substrates must be clean and dry. All dust, grease, rust, etc. should be removed.

Adhesion

- GB 661 has excellent unprimed adhesion to most substrates.
- Priming or plasma processing is necessary for the low surface energy substrates such as PTFE, Polypropylene, Polyethylene
- The cure time may extend when the sealant is applied into deep section or when the ambient temperature is low

Primer

- For optimal adhesion, GB primer is recommended.
- Clean the substrate surface with solvents and then apply a coat of primer by dipping, brushing or spraying.
- Allow primer to dry for 5~10 minutes. Apply the silicone sealant onto the primer once the substrate surface a little sticky when touched with hand.
- For special applications, drying in the shade, humidification and drying in the high temperature should be adopted to ensure the cure stability.

Application Method

- GB 661 can be applied manually.
Apply a bead of GB LV 661 with a dispensing gun to one of the prepared surface, and then cover quickly with the other substrate to be bonded. If applied to deep section, especially when access to moisture is restricted, it takes longer to cure completely. And cure time is extend at lower temperature and

humidity

- GB 661 can also be applied with dispensing machines

SAFETY INFORMATION

- Should uncured silicone sealant contact with eyes, rinse thoroughly with a lot of water and seek medical treatment if irritation persists.
- Keep the uncured silicone sealant away from children.
- Good ventilation is necessary for work and cure places.

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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