



Updated: 2023.07.05

Product Description

One-Component Room Temperature Vulcanizing Silicone Sealant, Black/White/Gray paste, cures on exposure to atmospheric moisture to form a silicone elastomer.

Product Features

- Excellent adhesion to PC, Al, stainless steel, glass and other materials
- No corrosion to substrates
- No fogging, Low volatility
- Stable and flexible from -40°C to $+180^{\circ}\text{C}$
- Complies with RoHs, REACH, Halogen, Voc Regulatory requirements

Typical Applications

- Bonding and Fixing
- Thermal bonding of lamp components
- The high power heating element is bonded to the radiator
- The solar PV module border seals and the junction box is glued

Notice

The sealant will be slight yellowing during storage, which will not affect product properties.

Operating Instructions

Surface Clean: Please clean up the dust, rust, and oil on the surface of the bonding substrate.

Gluing: Squeeze the sealant onto the cleaned surface.

Curing: Place the glued part in the air, after skin formation, cure continues inward from the surface. Under 25°C and 55% relative humidity conditions for curing 24 hours, the sealant will cure to a depth of 2 to 4mm, with time prolonged, the curing depth gradually increased.

Storage: The unused sealant should be immediately tightened and sealed. Before using again, remove the crust at the nozzle mouth and do not affect normal use. In the process of storage, the sealant may be a small amount of solidification at the nozzle, which can be used normally after removal without affecting the product properties.

Storage conditions

Store in a cool and dry place below 35°C .
Shelf life: 6 months

Technical Parameter (TBL-6237-WH271)

Standards			
General properties at $25\pm 2^{\circ}\text{C}$, 50-60%RH			
GB/T 14074	Appearance	/	Black/White/Gray paste
GB/T 13354	Density	g/cm^3	1.40 ± 0.1
GB/T 13477.5	Tack-free Time	min	≤ 30
GB/T 13477.4	Extrusion Rate	$\text{g}/15\text{s}$	20-60
Properties cured 7 days at $25\pm 2^{\circ}\text{C}$, 50-60%RH			
GB/T 531.1	Hardness	Shore A	40 ± 5
GB/T 528	Tensile Strength	mPa	≥ 1.80
GB/T 528	Elongation at break	%	≥ 120
GB/T 529	Tear Strength	kN/m	≥ 3.80
GB/T 1695	Dielectric Strength	kV/mm	≥ 20
GB/T 1693	Dielectric Constant	/	≥ 2.80
GB/T 1692	Volume Resistivity	$\Omega \cdot \text{cm}$	$\geq 1 \times 10^{14}$
Note: 1. The latest version applies to this document. 2. Determination of extrusion rate at 0.4MPa with a 3mm diameter nozzle.			

Packaging specifications

100ml / piece, 100 pieces / Carton

300ml / piece, 24 pieces / Carton

2600ml / piece, 4 pieces / Carton

- The above packing specifications are for reference only. The specific packing weight is subject to the actual situation.

Attentions

1. Keep away from children.
2. It is recommended to use it in a well-ventilated area to reduce odor.
3. If accidentally touch the skin or eyes, wipe them clean immediately, then rinse with water and seek medical advice.
4. For safety information, please refer to the Material Safety Data Sheet (MSDS).

Special Note

The data in this manual were obtained under laboratory conditions, due to differences in the use environment, users should refer to these data and conditions for analysis and testing. Tian Bao Li does not guarantee the sales of products and the use of Trimble products under specific operating conditions, and does not assume any liability for direct, indirect or accidental losses. If the user has any questions or needs technical service, please contact the Tian Bao Li technical service department, we will provide you with the help.