

ZS-NJ-D959W03 | RTV-1 Multifunctional Silicone Sealant



ZS-NJ-D959W03

Package:

300ML/cartridge
25cartridges/carton

2600ML/cartridge
4cartridges/carton

Color:

Black,
White,

Shelf life:

6 months from the
manufacturing date under
27°C

Compliance:

REACH
ROHS
UL

Application methods :

Manual or automated
dispense

W03 is a flame-retardant one-part environmentally friendly silicone alkoxy sealant with room temperature curing. The product has good physical properties, good adhesion to various materials such as aluminum, copper, stainless steel, etc.; superior dielectric properties and excellent heat resistance.

Features:

- Low-yellowing after cured, no corrosion to materials such as copper and PC (polycarbonate)
- No deactivation effect on platinum catalyst system, can be used with platinum catalyst system potting compound
- Flexible and stable from - 60 °C to + 200 °C after cured
- Excellent weather resistance and aging resistance
- UL94-V0 flame retardant rating

Applications:

- The power shell is sealed and waterproof and the connectors on the circuit board are fixed
- Adhesive fixing, sealing and shockproof of electronic components
- Can be used for bonding and fixing LED lighting, such as LED bulbs and tubes

Notes :

After Operating, unused sealant must be sealed and stored , and tighten the cap immediately,if the seal has a little crust when use it in the next time, remove it and it will not affect the normal use. During the storage process, the cartridge orifices may appear a small amount of the cured phenomenon, cleared it and can use it again, and no affection to the product performance.

Technical service and safety:

Technical details are available for customers.

For more information about safety, please refer to the MSDS.

Transport and storage:

This product is non-flammable and not explosive, and can be delivered by normal means of transportation. The products should be stored under 27° C, in the cool and dry place.

Operation:

1. Surface cleaning: Cleaning the surface, remove the rust, dirt and oil.
2. Using: Keep the sealant uniform and continuous
3. Curing: put the sealant in the air and let it be naturally cured. It's a curing process that cured from the surface to the internal, if the sizing location is deeper, in particular, which is not easily accessible to the air, then the full curing time will be extended, if the temperature is low, the curing time will be extended too, Generally, it takes more than seven days to fully cure.

Technique parameters:

	Item	Standard Ordain	Test method
Uncured	Appearance	White/Black paste	Q/ZS 1-2016
	Tack-free time (min)	≤15	GB/T 13477.5
	Extrudability (g/s, 25°C)	45~55	GB/T 13477.3-2017
	Completely cure time(d)	3~7	Q/ZS 1-2016
Cured	Specific Gravity (g/cm ³)	1.55~1.65	GB/T 13354
	Tensile strength (MPa)	≥2.0	GB/T 528-2009
	Break elongation (%)	≥70	GB/T 528-2009
	Shear strength (MPa)	≥2.0	GB/T 13936-2014
	Hardness(Shore A)	50~60	GB/T 531.1-2008
	Use of temperature range (°C)	-60 to +200	Q/ZS 1-2016
	Volume resistivity (Ω·cm)	≥1×10 ¹⁴	GB/T1410-2006
	Dielectric strength (KV/·mm)	≥18	GB/T1408-2006
	UL 94 Flame Classification	UL94 V-0	UL 94
	Thermal conductivity[W/ (m·K)]	≥0.4	ASTM D5470

Suggestions and statement:

Suggest users to do the applicability test before the formal use of this product. Due to the diversity of practical application, we won't c responsibility for the problems in special conditions of use about our products. We are not responsible for any direct, indirect or accidental damage. but users can contact my company's after-sales service when you have any problem in the using process , and we will try to help you.