



## **Technical Data Sheet (9810 RTV bonding and sealing Silicone)**

### ***Product Description:***

Single component room temperature vulcanized silicone rubber.  
Black grease type.  
Moisturecure.

### ***Produce Features:***

- Dealcoholization type, no corrosion for the metal material.
- Good bonding performance for many base material.
- Good dielectric properties.
- Excellent weather fastness.
- Working temperature  $-40^{\circ}\text{C}\sim 150^{\circ}\text{C}$ , keep stability and flexibility during the temp range.
- Meet the regulation requirements of ROHS.

### ***Typical applications:***

Household appliances panel bonding.

### ***Technical data:***

Reference standard	Item	Unit	Value
Normal features ( $25\pm 2^{\circ}\text{C}$ , $60\pm 5\%\text{RH}$ )			
Q/HTXC 1	Appearance	--	Black grease
GB/T 13354	Density	$\text{g}/\text{cm}^3$	1.35
GB/T 13477.5	Surface drying time	min	5~25
GB/T 13477.4	Extrusion rate	$\text{g}/\text{s}$	5~20/25-35
Feature after curing ( $25\pm 2^{\circ}\text{C}$ , $60\pm 5\%\text{RH}$ , curing after 7 days)			
GB/T 531	Hardness (Shore A)	--	30~40
GB/T 528	Tensile strength	MPa	$\geq 2.0$
GB/T 528	Elongation at break	%	$\geq 350$
GB/T 1695	Dielectric strength	$\text{kV}/\text{mm}$	18
GB/T 1693	Dielectric constant	--	2.8
GB/T 1692	Volumn resistivity	$\Omega \cdot \text{cm}$	$1 \times 10^{15}$

### ***Note:***

- 1, Extrusion rate under 0.5Mpa by 3mm diameter nozzle.
- 2, The above data achieved under the testing, it may different in different situation, please analyze accordingl the value.



***Direction for using:***

Cleaning: Clean the surface of item which need to be dispensed, remove rust, dust and greasy dirt etc.

Dispensing: Dispensing the silicone on the clean surface.

Curing: Keep the item in the open air, curing from outside to inside after peel forms. Curing 24 hours during 25°C and 55% humidity, cured depth 2~4mm, the depth increased along with time.

***Storage:***

6 months during 8-28°C and keep away from sunshine and damp.

***Packing:***

9810H4, 310ml/tube, 25tubes/carton

9810H5, 2600ml/tube, 4tubes/carton

***Notice:***

- 1, Keep away from children.
- 2, Suggest to apply in good ventilation place.
- 3, Scrubing and washing with water immediately if the silicone spills into eyes or on the skin, and make a further handling.
- 4, Please contact us if any doubt or questions during operation.