

# ANCHOR 4011

---

## Product Characteristics & Properties

Single component room temperature curing elastic adhesive, is through the water in the air hydrolysis condensation reaction to release low molecules caused by crosslinking curing.

It has excellent cold and heat resistance, aging resistance and electrical insulation performance, excellent thermal conductivity bonding performance, high and low temperature resistance, non-expansion and good adhesion to most metal and non-metal materials, can play a sealing bonding role on electronic components and do not pollute the surrounding environment, completely in line with the EU ROHS directive requirements.

### Neutral non-corrosive silicone:

1. Table drying time: 3 - 10 minutes.
2. Non-corrosive, suitable for metal, plastic and other materials, suitable for MIL-A-46146B corrosion test.
3. Withstand high temperature and resist low temperature: from -60°C to 200°C.
4. Support most performance decomposition; high bonding strength, good weather resistance.
5. Excellent weathering resistance, ozone, resistance to chemicals.

### Curing properties

The bonded parts are placed in the air, when the skin is formed, followed by the curing process from the surface to the inside, within 24 hours (room temperature and 55% relative humidity), the adhesive layer will cure the depth of 2 ~ 4mm, with the extension of time, the curing depth gradually increases, because the deep curing takes a long time.

Therefore, it is recommended that a single component is generally used for thin layer bonding of electronic components, and it takes more than 3 days for 6mm thick adhesive layer to fully cure (it is recommended that the thickness of more than 6mm choose two-component type products).

**Technical properties:**

Parameter	Unit	ANCHOR 4011
Exterior	-	Black half flow
Relative density	g/cm <sup>3</sup>	1.15±0.05
Surface drying time	min	~ 3-10
Hardness (Shore A)	-	35 ± 5
Elongation at break	%	≥300
Shear bond strength	Mpa	≥2.5
Tensile strength	Mpa	≥2.5
Volume resistivity	Ω·cm	Acuity 1.5×10 <sup>14</sup>
Breakdown strength of insulation	Kv/mm	≥12
Dielectric constant	1.2MHz	
Dielectric loss factor	1.2MHz	2.8
		< 0.002
Temperature range	°C	-60 to 200 ° C

**Storage:**

The storage period of this product is 6 months (25°C).  
 Such products are non-dangerous goods and can be transported as general chemicals. Be careful of leakage during transportation!  
 Products beyond the storage period should be confirmed to be abnormal before use.

**Direction for use**

Clean the surface: clean and dry the surface of the bonded object to remove rust, dust and oil.

Sizing: unscrew the cap of the hose, squeeze the glue solution onto the cleaned surface, and glue the object to be glued.

**Package** 310ml/50 PCS/box, 3kg/barrel, 20kg/barrel

**Compliant with standards** None

**Prevention** Please refer to the Material Safety Data Sheet before use. If you have any questions, please contact your company representative. This product is for industrial use only.

**Quality assurance** Manufacturer will replace any defective products. Due to the storage and application of the product, manufacturer will not bear any responsibility for the problems and corresponding consequences arising therefrom.

**Affirm** The content of this technical parameter table is based on the test results in the laboratory, not for the purpose of guiding the design of. Manufacturer does not assume any responsibility arising from the data.