

Silicone Sealant for Solar Frame



Description

Silicone sealant is one kind of neutral silicone sealing materials which cured by absorbing the moisture in the air at room temperature. It has good adhesion and sealing performance to most of materials, usually used in solar cell component aluminium frame adhesion and sealing, junction box adhesion, and prevent crystalline silicone and polycrystalline silicone from pollution and oxidation. After silicone sealant cured, the elastomer has following characteristics:

1. Resistance to moisture, dirt and other atmosphere components
2. Alleviating mechanical stress and tension caused by machine, thermal shock and vibration
3. Excellent electric insulation performance and anti-corona performance
4. Excellent outdoor aging performance, and the service life could be 20~30 years
5. Stable mechanical and electrical performance at the temperature between -60~260°C

Specifications

Color	White/black
Viscosity, cps	Non-slump
Solidification type	Single component alkone wo
Density, g/cm ³	1.39
Tack -Free Time (min)	5~20
Durometer hardness	40~55
Tensile strength(MPa)	≥2.0
Elongation at Break(%)	≥300
Volume resistivity(Ω.cm)	1×10 ¹⁴
Disruptive strength, KV/mm	≥17
Working temp(°C)	-60~260