



TECHNOLOGY MAKES LIFE BETTER

安徽省蚌埠市高新区兴中路 985 号
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安徽艾约塔硅油有限公司

IOTA CORPORATION LTD.

Sunmoon industry park, 985 Xingzhong Road,
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Sealant IOTA SLT 6BA

Description:

IOTA SLT 6BA is a one component, neutral curing, ready -to-use silicone elastomer. It cures quickly at room temperature in the presence of air moisture to give a flexible and strong seal.

Examples of application:

IOTA SLT 6BA is a general purpose silicone sealant which offers good performance on many different applications:

- Auto glass caulking and sealing,
- Doors and windows caulking,
- Indoor decoration caulking.

Advantages:

- One component, medium modulus and room temperature cure by releasing oxime
- Thixotropic (non flowing)
- Resistance to environmental temperature variation from $-50^{\circ}\text{C} \sim +150^{\circ}\text{C}$
- Good adhesive performance on most materials, applications for example, gives adhesion on most glass, ceramics, steel and wood surfaces, polished aluminum.

Characteristics:

1, Before curing

Type of sealant	oxime
Specific gravity(non cured)g/cm ³ , approx	1.40
Flow resistance, mm, approx	1
Extrusion, g/min, approx.	250
2, Curing	
Skin formation time, min. approx.	7
Curing rate, mm / 1 day, approx	2.5
mm / 7day, approx	7

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Application temperature, °C +5 to +40

3, After curing

Shore A hardness,

approx 33

Operating temperature, °C -50 to +150

Mechanical properties on a 2 mm thick film after 3 days curing*

Modulus at 100% elongation, MPa, approx 0.56

Tensile strength, MPa, approx 1.20

Elongation at break, % approx 480

* at a temperature of 23°C and relative humidity of 50%

** To avoid influence adhesion performance, pls warm the sealant above 5C before application.

Processing:

Joint dimensions :

The movement capability of sealants as well as local regulations must be considered. Jointwidth should be twice the depth.

Joint preparation:

The joint faces to be bonded must be clean, dry and free from dust, oil, grease, old sealant and any traces of contaminant which may affect adhesion. Surfaces should be degreased with solvent soaked cloth and then wiped with a clean cloth. To remove dust, use oil-free compressed air.

Priming

For almost substrates, **IOTA SLT 6BA** need not primers. Whether use primer or not when applied on special substrates, prior test is recommended.

Sealant application:

For good performance it is essential that the sealant is only bonded to the two facing sides of the joint. To achieve this install a backup material (closed cell polyethylene or open cell polyurethane foam). Apply the sealant in a continuous operation making sure all air pockets or voids are eliminated. Tool the sealant with light pressure to spread the material against the joint surfaces.

This operation should be made with a dry spatula before skin formation occurs.

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Excess uncured sealant should be wiped and cleaned with a commercial solvent, cured sealant can only be removed by scraping (i.e. with a razor blade), or with a special silicone remover product.

Limits of use:

IOTA SLT 6BA must not be used on materials which can bleed certain substances over time, or directly on surfaces which may react with the oxime products released during curing, such as copper and its alloys.

Colors: Black, White. For other colors, please consult us.

Packaging:

IOTA SLT 6BA is available in 280kg drums and 880kg big bags.

Storage and shelf-life:

IOTA SLT 6BA has a shelf life of 12 months from its date of manufacture, when stored at a temperature below 30°C in its original unopened packaging. After opening the product must be used quickly.

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