



TECHNOLOGY MAKES LIFE BETTER

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安徽艾约塔硅油有限公司

IOTA CORPORATION LTD.

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**Sealant IOTA SLT 6E**

**Description:**

**IOTA SLT 6E** 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 applications:**

**IOTA SLT 6E** is a general purpose silicone sealant which offers good performance on many different applications where weather tightness is required:

- Doors and windows caulking,
- Indoor decoration caulking,
- Other construction joint caulking.

**Advantages:**

- One component, medium modulus and room temperature cure by releasing oxime
- Thixotropic (non flowing)
- Resistance environmental temperature variation from -50°C ~ +150°C
- Good adhesion 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, g/cm <sup>3</sup> , approx ..... | 0.98      |
| Flow resistance, mm, approx .....                  | 1         |
| Extrusion, g/min, approx. ....                     | 260       |
| 2, Curing  |           |
| Skin formation time, min. approx. ....             | 4         |
| Curing rate, mm / 1 day, approx .....              | 2         |
| mm / 7day, approx .....                            | 8         |
| Application temperature, °C .....                  | +5 to +40 |

3, After curing



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|   |        |
|---|--------|
| Shore A hardness,   |        |
| approx .....  | 20     |
| Joint movement capability, %, approx .....                      |        |
| 20  |        |
| Operating temperature, °C .....                                 | -50 to |
| +150  |        |
| Mechanical properties on a 2 mm thick film after 3 days curing* |        |
| Modulus at 100% elongation, MPa, approx .....                   |        |
| 0.35  |        |
| Tensile strength, MPa, approx .....                             |        |
| 1.10  |        |
| Elongation at break, % approx .....                             |        |
| 580   |        |

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

\*\* To avoid influence adhesion performance, pls warm the sealant above 5°C 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 6E** need not primers. Whether use primer or not when applied on special substrates, prior test is recommended.

**Limits of use:**

**IOTA SLT 6E** 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:** Translucent. For other colors, please consult us.

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**Packaging:**

**IOTA SLT 6E** is available in 195kg drums and 820 kg big bags.

**Storage and shelf-life:**

**IOTA SLT 6E** 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.

**IOTA CORPORATION LTD.**

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