



安徽艾约塔硅油有限公司

Iota Silicone Oil(Anhui) Co., Ltd

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Sunmoon industry park, 985 Xingzhong Road, Bengbu, China 233000

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Silicone Gel IOTA 6650OCR

IOTA 6650OCR is a two-component addition molding silicone gel, which is suitable for the full fitting of various vehicle screens, computer screens, tablet screens, etc.

Product features

- 1:1 mixed use, fast curing speed, heating can accelerate the curing speed
- The product has low viscosity and can quickly self level
- Low shrinkage rate
- It has excellent optical performance
- Good adhesion to the substrate

产品参数

| Inspection items | Component | Test Method | Results |
|--|-----------|-------------|-------------|
| Appearance | A | Visual | Transparent |
| | B | Visual | Transparent |
| Viscosity (mpa.s) | A | GB/T 2794 | 800~1200 |
| | B | GB/T 2794 | 800~1200 |
| Density (g/cm ³) | A | GB/T 13354 | 0.98±0.02 |
| | B | GB/T 13354 | 0.98±0.02 |
| Containing catalyst components | B | | |
| Mixing ratio | A:B | / | 1:1 |
| Viscosity after mixing, mPa.s | | | 800~1200 |
| Operating time, min/25°C | | | > 10 |
| Cone penetration (1/4 cone), 1/10mm | | | 35-45 |
| Shear strength (glass glass), MPa | | | > 0.4 |
| Positive tensile strength (glass glass), MPa | | | > 0.3 |

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| | | | |
|---------------------------|--|--|-------------|
| Yellowing index | | | < 0.2 |
| Haze | | | < 0.2 |
| Light transmittance, 5 | | | > 99 |
| Refractive index | | | 1.405 |
| Operating temperature, °C | | | -45 ~ 200°C |

The data in the table is for reference only, please refer to the measured data

Operation and Safety

- Before potting, use alcohol, acetone and other suitable solvents to remove oil, dust and other dirt on the surface.
- Mix components A and B in a weight ratio or volume ratio of 1:1 and use them. You can mix them manually or by equipment. After mixing, quickly pour them into the product. Since this product cures quickly, it is recommended to remove bubbles by vacuum in order to obtain a better sealing effect.
- If the ratio of components A and B deviates greatly, the gel will be soft or hard. The ratio should be strictly 1:1.
- This product belongs to the addition curing system. The curing speed is only related to the temperature. Heating can accelerate the curing speed.
- Note that this product should not be in contact with substances containing N, P, S, Sn, Pb, etc., otherwise it will cause the gel to not cure.
- Unused A and B rubber materials should be stored in a sealed manner.
- IOTA 6650OCR is an addition-cured silicone rubber that contains neither toxic nor corrosive substances. It may require special handling precautions and should comply with general industrial hygiene regulations.
- For long-term or repeated contact, wear protective gloves.
- Keep away from heat/sparks/open flames, no smoking, keep containers tightly closed. Use explosion-proof electrical/ventilation/lighting equipment.
- Transport as non-dangerous goods.

Package

- A / B Component 20KG
- A / B Component 180KG

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Storage and Shelf life

- Store in a dry place for a storage period of 12 months. If it expires, it needs to be retested and can be reused after passing the inspection.
- This type of product belongs to non hazardous goods and can be transported as general chemicals.

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