

## IOTA CORPORATION LIMITED

安徽省蚌埠市高新区兴中路 985 号日月 科技园 电话: 86-552-3827158 传真: 86-552-3822922 Sunmoon industry park, 985 Xingzhong Road, Bengbu, China 233000

Tel: 86-552-3827158

Fax: 86-552-3822922

#### **Eco-friendly Solid Silicone Resin IOTA GT6**

### **Product description**

IOTA GT6 Pure silicone resin has excellent high and low temperature properties, arc corona resistance, electrical insulation properties, and water and moisture resistance. It has good weathering resistance, high mechanical properties, flame retardant, corrosion resistance, ozone resistance and chemical stability. The resin is used for protection of high temperature equipment coatings, high temperature anti-corrosive coatings, powder coatings, insulating materials, weather resistant coatings, inks and other special coatings. IOTA GT6 has improved flexibility on the basis of IOTA GT5. It is used in high temperature products that require bending resistance, and has high phenyl content.

#### **Technical index**

Appearance:	White powder to light yellow powder or granular
Heat resistance of varnish (≥350℃, 4h, %):	5 (thermal weight loss)
Solid content (180°C, 1h, %):	≥99
Gelation time (200°C, min):	10-60 (customized according to customers' requirements)
ftening point(°C):	70 ± 5

#### Application

1.Used as high temperature resistant powder coating or liquid resin.

2.It can also be combined with epoxy, polyester and other powder resins.

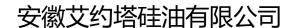
3.Used in coatings like barbecue grills, mufflers, exhaust pipes and other fields that require high-temperature anti-corrosion coating, insulating materials or spacecraft, and military equipment.

#### How to use?

A thermosetting composite system prepared by mixing organic silicon solid resin with fillers, pigments, curing agents, additives or glass fibers, etc., and can be processed by transfer molding, electrostatic spraying, and solvent-based methods.

ADD: Sunmoon industry park, 985 Xingzhong Road, Bengbu, China 233000 Tel: 86-552-3827158; Fax: 86-552-3822922 Website: www.siliconeoil.net





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#### Advantages

1. Does not contain solvents and fully meets environmental protection requirements;

2. It is not sticky at room temperature, and the powder will not agglomerate when stored;

3. It can be mixed with IOTA GT3 and IOTA GT5 to meet the different requirements;

4. The high temperature resistance will be slightly change with different formulations,  $\geq$ 700C.

## Packaging, storage and transportation

1. packed in plastic bag or composite carton (50Kg) or customized according to customer requirements; double-layer inner bag is moisture-proof and sealed. 2. The product should be stored in a cool and dry place  $\leq$  30C to prevent direct sunlight; the shelf life is 12 months, and it can still be used after passing the inspection.

3. Transported as non-dangerous goods.

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