



TECHNOLOGY MAKES LIFE BETTER

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

安徽艾约塔硅油有限公司

Iota Corporation Ltd.

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

Tel: 86-552-3827158

Fax: 86-552-3822922

---

## Epoxy-terminated phenyltrisiloxane IOTA 278

### Features

1. used as component of epoxy resin
2. used as reactivity modifier for polyurethane and polycarbonate
3. Improve the cohesive energy of the resin
4. Improve high and low temperature properties of materials
5. Improve the flexibility of epoxy resin
6. To make epoxy resin excellent electrical insulation and resistance to atomic oxygen

### Specifications

Appearance: colorless to light yellow transparent liquid

Epoxy equivalent: 260-340g/equ

Refractive index (25 °C): 1.500

Viscosity: 30-50cst

The main components: double-ended with glycidyl phenyltrisiloxane, non-solvent

### Application

As a toughening and water repellent component of epoxy resin, polyurethane and polycarbonate, it can improve the mechanical and physical properties of the finished product, reduce the cohesive

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

Tel: 86-552-3827158; Fax: 86-552-3822922 Website: [www.phenylsilicone.com](http://www.phenylsilicone.com)



TECHNOLOGY MAKES LIFE BETTER

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

安徽艾约塔硅油有限公司

**Iota Corporation Ltd.**

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

Tel: 86-552-3827158

Fax: 86-552-3822922

---

energy, and provide the copolymer with excellent high and low temperature resistant, Water and weather resistance, electrical insulation and resistance to atomic oxygen.

### **How to use**

1. Used as epoxy resin modified, directly added into the prepolymer and curing.
2. When used as polyurethane modifier, can be reacted with the amine chain, or acid ring and isocyanate-reactive molding.
3. Used as polycarbonate modifier, can be reacted with copolymerization, or be added in the molding process.

Note: technical indicators without security, when use and operation, please consult the customer representative or supplier

### **Storage and package**

This product is non-dangerous.

Reactivity, avoiding mixing or contacting impurities, especially water, oxides and catalysts the shelf life of 6 months in Unopened conditions.

### **Package**

25kg or 200kg / drum which coated with iron.