



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

## IOTA 4815Z single component silicone sealant

### Product features:

IOTA 4815Z is a kind of condensed type one component room temperature vulcanized silicone rubber, which is composed of organic silicon polymer, reinforcing filler, auxiliary agent, crosslinking agent and so on. Its characteristics are as follows:

Single component packaging, easy to use when operating;

Room temperature neutral curing, non-toxic, no corrosion;

After fully cured, will maintain its flexibility in the range of  $-50^{\circ}\text{C} \sim +200^{\circ}\text{C}$ ;

Excellent electrical insulation, arc resistance and impact resistance, long term and effective protection of electronic components;

Good water resistance, ozone resistance, weather resistance;

Excellent adhesion, to maintain long-term sealing performance.

Excellent flame retardant performance, reaching V-0 level.

### Application:

For various types of electronic and electrical bonding, positioning, and play the role of moisture, shock, insulation, weather resistance;

For soft packaging, quality inspection and the bottom square battery thermal insulation, flame retardant, adhesive;

For electronic components bonding, such as PCB board capacitors, heating diodes, coils, high power tubes and etc.

### Color, packing, storage and transportation

IOTA 4815C is white / gray paste before curing, white / gray elastomer after curing.

This product uses 310ml/, 2.6L/ plastic cylinder packaging, special requirements can be specified after the specified packaging.

Store in dry, ventilated and cool place, storage period is 12 months from the date of production.

This product is stored and transported as non-dangerous goods.

### Typical product performance (not used as a product standard)

No	Item	Technical index	Inspection method
1	Appearance	White thixotropic paste	/
2	Tack free time (min)	≤30	GB/T 13477
3	Shore A hardness	50~60	GB/T 531.1
4	Tensile strength(Mpa)	≥2.0	GB/T 528

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

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

5	Breakdown voltage strength (Kv/mm)	≥18	GB/T 1695
6	Volume resistivity (Ω.c m)	≥1x10 <sup>14</sup>	GB/T 1692
7	Dielectric constant /1MHz	≤3.0	GB/T 1693
8	Flame retardant grade	V-0	GB/T 2408
9	Thermal conductivity (W/(m.K))	≥1.0	ISO 22007-2

**IOTA CORPORATION LTD.**

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

TeL: 0086-552-7183958 Fax: 0086-552-3822922

Whatsapp : 0086-15556181299 WeChat :Amandalin99

QQ: 309136222

Email: [sales02@siliconeoil.net](mailto:sales02@siliconeoil.net)

Website: [www.rtvsilicone.net](http://www.rtvsilicone.net)

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

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