



TECHNOLOGY MAKES LIFE BETTER

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安徽艾约塔硅油有限公司

IOTA CORPORATION LTD.

Sunmoon industry park, 985 Xingzhong Road,  
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## IOTA 4815C One component silicone sealant

### Product Features

IOTA 4815C 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, could maintain its flexibility in the range of -50 to +200 degrees 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.

### Application

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

For battery powered PACK signal scripts, plugs and other external components of high strength adhesive seal.

### 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 / gray paste; mild / flow	
2	Tack free time (min)	≤30	GB/T 13477
3	Shore A hardness	35~45	GB/T 531.1
4	Tensile strength (Mpa)	≥1.5	GB/T 528
5	Elongation at break (%)	≥200	GB/T 528

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6	Breakdown voltage strength (Kv/mm)	$\geq 18$	GB/T 1695
7	Volume resistivity ( $\Omega \cdot \text{cm}$ )	$\geq 1 \times 10^{14}$	GB/T 1692
8	Dielectric constant /1MHz	$\leq 3.0$	GB/T 1693

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