



安徽艾约塔硅油有限公司

Iota Silicone Oil(Anhui) Co., Ltd

安徽省蚌埠市高新区兴中路 985 号日月科技园

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

电话: 86-552-3827158

Tel: 86-552-3827158

传真: 86-552-3822922

Fax: 86-552-3822922

Silicone Gel IOTA 6250N

IOTA 6250N/6250M is a two-component organic silicon gel, mainly used in

- Sealing of IGBT modules and electronic components of optoelectronic equipment
- Sealing of automotive electronic precision electrical circuits and hybrid circuit modules
- Sealing of solar cells, sensors, high-power rectifiers, and rectifier bridge modules

Product features

- Medium viscosity, transparent, two component
- Room temperature curing or heating curing
- Low hardness, low shrinkage, and no corrosion
- Stable chemical properties, no precipitation of low molecular weight silicone oil
- The D3-D10 cyclic content in IOTA 6250 is lower;

Product parameters

Inspection items	Component	Test Method	Results	
Before curing			IOTA 6250N	IOTA 6250M
Viscosity (mpa.s)	A	GB/T 2794	900~1100	900~1100
	B	GB/T 2794	900~1100	900~1100
Density (g/cm ³)	A	GB/T 13354	0.97	0.97
	B	GB/T 13354	0.97	0.97
Mixing ratio	A:B	/	1:1	1:1
Mixed density(g/cm ³)	A+B	GB/T 13354	0.97	0.97
Operable time/25°C(h)	A+B	GB/T 7123	1	1
Gel time/25°C(h)	A+B	/	6	6
Curing conditions(°C×min)	A+B	/	120×30	120×30
After curing				
Density/25°C(g/cm ³)		GB/T 13354	0.98	0.98
Penetration(mm/10)		GB 269-85	320~430	250~320

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

Tel: 86-552-3827158; Fax: 86-552-3822922 Website: www.siliconeoil.net



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 Silicone Oil(Anhui) Co., Ltd

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

Tel: 86-552-3827158

Fax: 86-552-3822922

Dielectric constant		GB/T1693	2.7	2.7
Volume resistivity($\Omega\cdot\text{cm}$)		GB/T 1692	1015	1015
Dielectric strength (KV/mm)		GB/T 1695	15	15
Refractive index/23°C		ABBE	1.405	1.405
Transmittance(%)		UV-VIS	99	99
Flame retardancy		UL	94HB	94HB
Linear expansion coefficient (ppm)		/	260	260
Thermal Conductivity (W/m.k)		/	0.2	0.2
High temperature resistance (220°C×600h)		/		No brittleness or cracking

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

Operation and Safety

- Before use, mix components A and B in a ratio of 1:1. Stirring time 5min. It is recommended to use after degassing for 5-10 minutes under -0.09MPa~-0.08MPa vacuum.
- Temperature and curing time: 25°C, 120min, no flow; 30min, fully cured at 120°C.
- The mixed rubber should be sealed and stored and used within the safe operation period, otherwise it will cure slowly and cause waste.
- The curing speed of the rubber has a certain relationship with the temperature. The curing will be slower at low temperature.
- This product is non-hazardous, but do not put it in the mouth or eyes. If it is accidentally splashed, rinse with plenty of water.
- The A and B components of the colloid must be sealed and stored. Be careful of leakage during transportation!
- During the vulcanization process, this product should avoid contact with organic compounds containing N, P, S, ionic compounds of heavy metals such as Sn, Pb, Hg, Sb, Bi, As, and organic compounds containing unsaturated groups such as acetylene,

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

Tel: 86-552-3827158; Fax: 86-552-3822922 Website: www.siliconeoil.net



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 Silicone Oil(Anhui) Co., Ltd

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

Tel: 86-552-3827158

Fax: 86-552-3822922

otherwise it will cause poor curing of the glue. Therefore, the compatibility test of silicone rubber and substrate should be carried out before use.

Package

- A / B Component 20KG
- A / B Component 200KG

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.

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

Tel: 86-552-3827158; Fax: 86-552-3822922 Website: www.siliconeoil.net