



TECHNOLOGY MAKES LIFE BETTER

安徽省蚌埠市高新区兴中路 985 号日月科技园

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安徽艾约塔硅油有限公司

Iota Corporation Ltd.

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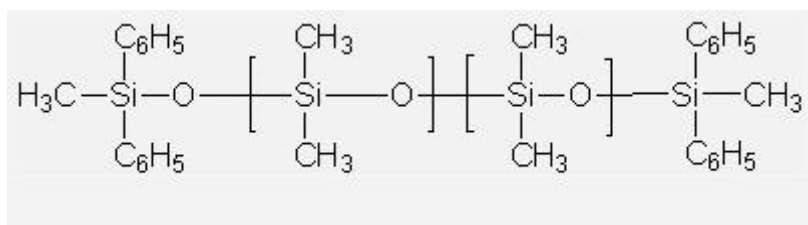
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**Vaccum Diffusion Pump Oil IOTA702 (equivalent Brand: Diffusion Pump Oil 702)**

**Synonyms:**

1. Mixed phenylmethyl-dimethyl cyclosiloxane
2. 702 Super high vacuum diffusion pump oil
3. 702 diffusion pump fluid
4. Phenylmethylsiloxane Oligomers
5. Oil for diffusion pump
6. Silicone oil for diffusion pump
7. Silicone diffusion pump oil

**Chemical structure:**



**Vaccum Diffusion Pump Oil IOTA702** is a kind of general purpose oil designed for fast pumping of large volumes of gas. It is used to produce vacuums in the range of 10<sup>-5</sup> to 10<sup>-7</sup>



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torr. It possesses excellent heat stability, good resistance to oxidation and radiation. Its vapour pressure is very low under room temperature, and changes sharply with the variation of temperature

#### Technical Index

Chemical composition: Mixed phenylmethyl-dimethyl cyclosiloxane

Ultimate Vacuum, torr(untrapped): $10^{-6}$

Saturated Vapor Pressure, torr:  $1 \times 10^{-6}$

Specific Gravity: 1.08

Viscosity (25°C), cSt:  $40 \pm 3$

Flash Point °C: 300

Refractive Index 25°C: 1.51-1.53

Diffusion Pump Oil IOTA702 can be used in variety of applications, including:

#### Electrical and electronics industry

TV tubes, fluorescent tubes, cathode ray tubes

ordinary bulbs

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capacitors

rectifier metallised film vacuum system

### **Optical industry**

surface improvements

anti reflective coatings

optical filters and mirrors

### **Metallurgy industry**

high-vacuum furnaces

melting, degassing and sintering refractory metals; thick-film deposition

### **Plastics industry**

surface improvements

mirror coatings

protective coatings

film coatings



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### Other industries

processing metals and fuels

accelerators

molecular plants

R & D plants

mass spectrometry

### Others

Be used as transmission fluid in high-temperature carriers and various instruments.

### Package, Transportation & Storage

1. **Vaccum Diffusion Pump Oil IOTA702** is available in 1kg plastic bottles, 1gallon plastic drums, 5kg plastic drums, 25kg plastic drums, 25kg Iron drums or 200kg Iron drums.
2. Transport as non-hazardous chemicals, keeping away from rain and sunlight.
3. Shelf life: 2 years.