

## 4501 Synthetic Turbomolecular Pump Oil

4501 synthetic turbomolecular pump oil is manufactured from synthetic oil and several superi multi-functional additives.

### Advantages

- ⊙ Outstanding viscosity-temperature performance, wide service temperature range
- ⊙ Excellent vacuum performance and low evaporation loss, low oil consumption
- ⊙ Good lubrication performance, effectively reducing wearing
- ⊙ Good rubber adaptability, sealing performance of systems guaranteed

### Performance

Meet the following performance specification:

- ⊙ Q/SH303 101-2004 (2007)

### Applications

- ⊙ Suitable for lubrication of bearings of various molecular pumps with speed of 20,000r/min-60,000r/min and limited pressure of  $1.3 \times 10^{-8}$ Pa
- ⊙ Suitable for lubrication of vacuum equipment

### Typical properties

Items	4501 synthetic turbomolecular pump oil
Kinematic viscosity, mm <sup>2</sup> /s	
100℃	3.76
40℃	14.3
Viscosity index	162
Flash point (COC), ℃	232
Freezing point, ℃	< -60
Neutralization value, mgKOH/g	0.2
Evaporation (100℃, 3h), % (m/m)	0.3