



Silicone Diffusion Pump Fluid

Water clear silicone fluid for use in high-vacuum pumps

Description

Silicone diffusion pump fluid is a methyl phenyl silicone based diffusion pump fluid. The product has been formulated with an advanced technology additive system for superior performance. It shows excellent resistance to oxidation, wear, rust and corrosion. Silicone Diffusion Pump Fluid does not degrade when exposed to heat or intake gas.

Applications

Silicone Diffusion Pump Fluid is vacuum systems in:

- Aerospace
- Electronics
- Metallurgy
- Vacuum coatings

- Nuclear energy
- Research applications

Benefits

- Long life fluid
- Enhanced rust and corrosion protection
- Enhanced wear protection
- Excellent carbon and varnish control
- Outstanding oxidation stability
- Very high flash point
- Low volatility
- Excellent film strength
- Reduced maintenance costs
- Reduced downtime

Typical performance data

Appearance	Clear transparent fluid
Base oil type	Tetramethyltera phenyltrisiloxane
Density @ 25 °C, kg/l	1,07
Viscosity @ 25 °C, cSt	39
Flash point, °C	221
Boiling point, 0,5 Torr, °C	220
Surface tension, dynes/cm	37