

TMC 704 Silicone Diffusion Pump Fluid

Description

TMC 704 is a single component, tetramethyl tetraphenyl trisiloxane fluid with superior resistance to oxidation, heat, and chemicals. TMC 704 is used for diffusion pump applications and enables prolonged, stable operation.

Product Features

- Superior oxidation, heat, and chemical resistance
- Does not crack under heat or intake gas, unlike hydrocarbon oils and lower purity silicones
- Does not emit oxidation gas
- Does not produce acid, tar, pitch, or other substances when vacuum is broken during heating
- Enables prolonged and stable operation of diffusion pumps

Typical Applications

Optical coating, vacuum heat treat and vacuum metallizing

Specifications

Vapor Pressure @ 25° C (77° F)	10-7 to 10-8 Torr
Viscosity @ 25° C (77° F)	37 cSt
Boiling Point @ .5 Torr	211° C (412° F)
Specific Gravity @ 25° C (77° F)	1.065
Flash Point	210° C (410° F)
Color	Clear