

Technical Data Sheet

ChangFu® DPHM

1,3,3,5-Tetramethyl-1,1,5,5-tetraphenyltrisiloxane



Description

ChangFu® DPHM is a phenyl-modified silicone compound. Combining the dual advantages of phenyl and methyl groups, it has excellent thermal stability, low volatility and good lubricity, and is suitable for high vacuum systems, electronic heat dissipation materials and processing modification of high-performance polymers.

Features & Benefits

Better compatibility.
Excellent thermal stability and low viscosity.
Oxidation resistance and chemical inertness.

Applications

Used as vacuum diffusion pump oil to improve the ultimate pumping speed and efficiency of vacuum pump.
Used as LED encapsulant, it can better fill gaps, reduce contact thermal resistance, and improve heat dissipation efficiency.
Used as high-efficiency viscosity reducer, it is added to high-viscosity silicone rubber, epoxy resin, etc. to improve processing fluidity and facilitate injection, potting and other processes.

Typical Properties

Description	1,3,3,5-Tetramethyl-1,1,5,5-tetraphenyltrisiloxane
Product No.	ChangFu® DPHM
CAS No.	3982-82-9
Formula	C ₂₈ H ₃₂ O ₂ Si ₃
Purity	min 80%
Color	Colorless or light yellow
Appearance	Clear liquid

Package

Offered in 25L pails and 200L drums.
Custom packaging is available.

Storage

Stored in a cool, well-ventilated place.
Keep the container tightly closed.

Transportation

See the corresponding Safety Data Sheet.