

Technical Data Sheet

ChangFu® DPHP

1,3,5-Trimethyl-1,1,3,5,5-pentaphenyltrisiloxane



Description ChangFu® DPHP is an organosilicon compound with excellent thermal stability and oxidation resistance, making it an important intermediate and functional fluid in high-end organosilicon materials and synthesis. It is suitable for diffusion pump oil used in high vacuum and high-speed pumping.

Features & Benefits High hydrophobicity.
Low viscosity and low surface tension.
Good thermal stability and chemical stability.

Applications Used to manufacture high vacuum diffusion pump oil, meeting the requirements of high-speed pumping and high vacuum degree for extracting a large amount of gas or steam in production operations.
Used for potting electronic components, providing better high temperature resistance and dielectric properties.
Used to synthesize phenyl silicone oil or modified silicone rubber, thereby improving the low temperature resistance and weather resistance of the material.

Typical Properties

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|-------------|--|
| Description | 1,3,5-Trimethyl-1,1,3,5,5-pentaphenyltrisiloxane |
| Product No. | ChangFu® DPHP |
| CAS No. | 3390-61-2 |
| Formula | C ₃₃ H ₃₄ O ₂ Si ₃ |
| Purity | min 98% |
| 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.