



HFS-300H

Hydrophobic Fumed Silica (Surface Treated Silicone Dioxide)

CAS Number: 68909-20-6

Formula: SiO_2

DESCRIPTION

Hydrophobic Fumed Silica – HFS-300H is produced by chemical post-treatment of hydrophilic fumed silica with hexamethyldisilazane (HMDS). The product improves viscosity control, anti-settling behavior, and stability in a wide range of formulations, particularly in silicone, sealant, adhesive, coating, and specialty polymer systems.

KEY FEATURES

- Hydrophobic surface-treated fumed silica
- Excellent moisture resistance
- Effective rheology control and thickening
- Improves anti-settling and sag resistance
- Enhances reinforcement and formulation stability
- Good dispersion in organic and silicone systems

APPLICATIONS

- Silicone antifoam / defoamer formulations (high structure)
- RTV silicone rubber systems
- Sealants and adhesives
- Coatings and inks
- Polymer compounding and specialty materials
- Cosmetics and personal care formulations
- Silicone defoamer formulations requiring high defoaming efficiency and reduced dosage in demanding systems.

TYPICAL SPECIFICATIONS

Parameter	Specification
Specific Surface Area (BET)	$300 \pm 30 \text{ m}^2/\text{g}$
pH (4% suspension water:methanol 1:1)	6.0 – 9.0
Loss on Drying (105 °C, 2 h)	$\leq 0.7 \%$
Loss on Ignition	$\leq 5.0 \%$
Tamped Density	40 – 60 g/L
Carbon Content	2.5 – 4.0 %
SiO_2 Content (ignited)	$\geq 99.8 \%$



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

Chemport Pty Ltd provides the information contained in this document in good faith based on the best knowledge available at the time of publication. While we believe the information to be accurate and reliable, it is intended for general guidance only and is provided without warranty of any kind, express or implied.

Users are solely responsible for determining the suitability of this product for their specific application and for ensuring compliance with all relevant regulations, industry standards, and intellectual property rights. The product must not be used in violation of any law, statute, or third-party rights.

Chemport Pty Ltd shall not be liable for any direct, indirect, or consequential loss or damage arising from the use of this product or reliance on the information provided in this document. Users should refer to the current Safety Data Sheet (SDS) and perform their own evaluations, including any necessary testing, to confirm the product's suitability for use in their particular conditions.

This document is subject to revision without notice as new data becomes available.

TECHNICAL SUPPORT
+61294103317
info@chemport.com.au

Level 9 Tower A
821 Pacific Highway
Chatswood NSW 2067
Australia
chemport.com.au

PACKAGING

- Multi-layer kraft paper bags or polypropylene bags.
- Typical packaging: 10 kg bags or 15 kg bags.

STORAGE & HANDLING

Store in a cool, dry, and well-ventilated area. Protect from moisture and contamination. Keep packaging tightly sealed when not in use. Avoid contact with volatile substances. Use within two years from production date when stored correctly.

SAFETY

Read the Safety Data Sheet (SDS) carefully before use. Avoid inhalation of dust and prolonged contact with eyes or skin. Use appropriate personal protective equipment during handling.