



# HFS-130D

## Hydrophobic Fumed Silica (Surface Treated Silicone Dioxide)

CAS Number: 68611-44-9

Formula:  $\text{SiO}_2$

### DESCRIPTION

HFS-130D is a hydrophobic fumed silica produced by surface treatment of hydrophilic fumed silica with organosilicon compounds. It provides excellent thickening, thixotropic control, and reinforcement properties. The product is widely used in silicone rubber, sealants, adhesives, coatings, and specialty formulations where moisture resistance and rheology control are critical.

### KEY FEATURES

- Hydrophobic surface-treated fumed silica
- Excellent thickening and thixotropic performance
- Improves anti-sag and flow control
- Enhances mechanical strength and reinforcement
- Good dispersibility in various systems
- Suitable for silicone, coatings, and adhesive applications

### APPLICATIONS

- RTV silicone rubber and sealants
- MS sealants and adhesives
- Coatings and inks
- Cosmetics and specialty formulations
- Powder coatings and industrial systems

### TYPICAL SPECIFICATIONS

| Parameter                   | Specification              |
|-----------------------------|----------------------------|
| Specific Surface Area (BET) | 130 ± 30 m <sup>2</sup> /g |
| pH (4% suspension)          | ≥ 3.9                      |
| Loss on Drying (105°C, 2h)  | ≤ 0.7%                     |
| Loss on Ignition            | ≤ 2.5%                     |
| Tamped Density              | 40 – 60 g/L                |
| Carbon Content              | 0.6 – 1.2%                 |
| Silica Content              | ≥ 99.8%                    |

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

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

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**PACKAGING**

- 10 kg multi-layer kraft paper bags
- 150 kg polypropylene bags

**STORAGE & HANDLING**

Store in a dry, cool environment and avoid contact with volatile substances. Keep packaging sealed to prevent moisture uptake. The recommended shelf life is up to 2 years.

**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.