



PPG HI-SIL® T-700 Thickening Agent

SEALANTS AND ADHESIVES

PPG HI-SIL® T-700 thickening agent is a premium grade, synthetic amorphous precipitated silica thixotrope designed specifically for adhesive and sealant applications. Its unique physical characteristics make *Hi-Sil* T-700 thickening agent a more efficient and cost-effective alternative to fumed silica in certain applications. *Hi-Sil* T-700 thickening agent offers improved viscosity and a higher thixotropy index providing better aging stability for superior sag control in certain plastisol-based sealant formulations. It may also be suitable for evaluation in certain water-based acrylic adhesive formulations. *Hi-Sil* T-700 thickening agent provides maximum thickening capabilities with high oil absorption and finer particle size properties.

Benefits

- Superior performance in plastisol based sealant systems
- Cost effective alternative to fumed silica in certain applications
- Designed with a finer particle size and high oil absorption
- Higher thixotropy index offers faster structure build and improved sag control
- Easily sprayable and extrudable
- Narrow particle size range provides greater product consistency
- Enables superior performance in low polarity, organic system



Applications

- Adhesives
- Sealants
- Caulks
- Putties
- Gel coatings
- Pressure sensitive tape
- Automotive sealants and undercoatings



Hi-Sil T-700 – Typical Properties

BET Surface Area, m ² /g	190
DOA-Oil Absorption Number (mL/100g)	275
Laser Median Particle Size, μm	4
pH	6.9
Moisture, wt %	≤ 7

PPG HI-SIL[®] T-700

Thickening Agent

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Samples

Samples are available per request from customer service.

Packaging

Standard packaging in small bags are unitized for shipping on pallets and stretch wrapped with clear plastic film. Please consult with customer service or your sales representative regarding additional packaging options including custom package sizes.

Storage

To ensure product integrity, we recommend that our silica products be stored under dry, clean conditions, protected against exposure to direct sunlight and other substances, and used within 12 months of the date of manufacture. PPG silica products that are stored for more than one year from the date of manufacture should be tested for moisture content.

Safety and Health Effects

We recommend that, before use, anyone using or handling this product thoroughly read and understand the information and precautions on the label, as well as in other product safety publications such as the Safety Data Sheet. Any health hazard and safety information contained herein should be passed on to your customers or employees, as the case may be. The products mentioned herein can be hazardous if not used properly. Like all potentially hazardous materials, this product must be kept out of the reach of children.

Product Safety and Regulatory Information

For the latest product safety and regulatory information, please reference the Safety Data Sheets at www.ppgsilica.com.



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