PPG Silica Products

Hi-Sil™ Thickening Agents

PPG Silica Products offers a product line of synthetic amorphous precipitated silica thickening agents that are rheology modifiers and anti-sag/suspension agents for polyester gel coatings, plastisols, inks, adhesives, caulks and sealants. Our products cover a wide range of **median particle size** and **surface area** performance properties in order to provide you with maximum formulation flexibility.

Benefits

- Compatible with a range of flocculants, associative thickeners, and dispersion aids
- Adjusts rheology without changing other system characteristics
- Enhanced thixotropy in non-polar solvent systems

Typical Properties

	Particle Size[1] (µm)	DBP Oil Absorption (mL/100g)	pH	BET Surface Area (m^2/g)
Hi-Sil T-800	2.5	220	6.9	190
Hi-Sil T-152	4	205	6.9	130
Hi-Sil T-700	4	215	6.9	190
Hi-Sil T-600	5.5	195	6.9	150

[1] Median particle size by laser diffraction

Product Offering

Hi-Sil T-800

Hi-Sil T-152

Hi-Sil T-700

Hi-Sil T-600

Hi-Sil™ *thickening agents are ideally suited for applications that include industrial, architectural, automotive and specialty coating finishes.*

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EUROPE • PPG Industries Chemicals bv • Customer Service: +31-596-676710 • Technical Service: +1-724-325-5369

Hi-Sil™ Thickening Agents

Packaging

Net weight
15 lbs-20 lbs (6.8 kg-9.1 kg)

Bag Construction
Multi-walled kraft paper bags

The bags are palletized and stretch wrapped in clear plastic film. Shipments are made in truckloads.

Storage

To ensure product integrity, PPG recommends that our silica products be stored under dry, clean conditions and protected against exposure to other substances. Since silica may pick up moisture, we also recommend that products that are stored for more than one year from the date of manufacture be re-tested for moisture content. There is no shelf life limit when stretch-wrapped palletized units or bags are kept under the above stated conditions. Pallets should not be double-stacked.

Safety and Health Effects

PPG Industries is committed to safe handling of chemicals at every step of the process, from manufacturing and distribution through education of the end user. Our participation in the American Chemistry Council's Responsible Care® Program is evidence of our commitment to the health, safety and welfare of our employees and the industry.

PPG Industries recommends 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 Material 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.

Samples

Gallon containers and bag-size samples are available upon request from Technical Service.

PPG Industries

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