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Coatings, Adhesives and Sealants

ADHESIVES AND SEALANTS



Rheology Modifiers, Thixotropes and Thickening Agents for Adhesives and Sealants

Manufacturers of adhesives, sealants and other engineered materials around the world have relied on HI-SIL[®] silica thickening agents, rheology modifiers and thixotropes by PPG to help address the complex formulation, manufacturing, application and performance challenges they face.

Available in four grades, *Hi-Sil* thickening agents cover a range of particle sizes and surface areas. Together, they offer manufacturers a selection of products to achieve desired rheology properties and anti-sag/suspension performance with minimal impact on other system properties.

Hi-Sil thickening agents provide enhanced performance and efficiency in non-polar and medium-polar solvent systems.

Rheology Modifiers and Thixotropes

Product	Particle Size* (µm)	DBP Oil Absorption (mL/100g)	pH	N ₂ (BET-5) Surface Area (m ² /g)	Applications / Benefits
<i>Hi-Sil</i> T-800	2.5	220	6.9	190	Superior efficiency in sag control of plastisol-based systems, fast recovery at low shear, cost-effective.
<i>Hi-Sil</i> T-152	4	205	6.9	130	Highly efficient, low-cost, viscosity increase of industrial solvent-borne compositions.
<i>Hi-Sil</i> T-700	4	215	6.9	190	Highly efficient, low-cost, improved sag

<i>Hi-Sil</i> T-600	5.5	195	6.9	150	control for a wide variety of solvent-borne compositions. Highly efficient, low-cost, thixotropic action for a wide variety of solvent-borne compositions.
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Hi-Sil is a registered trademark of PPG Industries Ohio, Inc.

Related Resources

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[Hi-Sil Silica Thickening Agent Summary Sell Sheet](#)
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[Hi-Sil T-800 Silica Thickening Agent Sell Sheet](#)
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[Hi-Sil T-800 Silica Thickening Agent Performance Data Sheet](#)

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