Product highlights
CAB-O-SIL TS-720 fumed silica is a medium surface area fumed silica which has been surface treated with polydimethylsiloxane (PDMS). This surface treatment results in a hydrophobic silica with a very different performance than untreated silica.

CAB-O-SIL TS-720 fumed silica is characterized by:
♦ High purity
♦ Aggregated structure
♦ Submicron particle size
♦ Low bulk density
♦ Hydrophobic surface chemistry

Key applications
CAB-O-SIL TS-720 fumed silica is used for rheology control in a wide variety of adhesives, composite and coatings applications.

This product provides the following performance advantages in medium to high polarity systems:
♦ Thickening efficiency
♦ Sag resistance or high film build
♦ Anti-settling of pigments and fillers
♦ Shear-thinning rheological behavior
♦ Stable rheological performance over time

Epoxy Adhesives and Coatings
In epoxy adhesives and coatings, CAB-O-SIL TS-720 fumed silica provides good thickening efficiency, sag resistance (or film build) and anti-settling of pigments and fillers.

Polyurethane Adhesives and Coatings
In polyurethane adhesives and coatings, CAB-O-SIL TS-720 fumed silica provides the same efficient, stable rheology control as in epoxy systems. In addition, the hydrophobic surface of CAB-O-SIL TS-720 fumed silica introduces very little moisture into these systems, retarding premature cross-linking of moisture cured systems.

Vinyl Ester Laminating Resins and Gel Coats
While untreated silicas are effective thickeners of unsaturated polyester resins, CAB-O-SIL TS-720 fumed silica is a more efficient, stable rheology control additive for higher polarity systems like vinyl ester laminating resins and gel coats.
For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The CAB-O-SIL name is registered trademark of Cabot Corporation.