

CAB-O-SIL[®] TS-720 FUMED SILICA

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.

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Product form and logistics

- ◆ Product form: powder
- ◆ Regional availability: global
- ◆ Packaging options:
 - ◆ 18 X 10 kg (net weight 180 kg) shrink-wrapped pallets
 - ◆ 18 x 10 lb (net weight 180 lbs) poly shrouded units
 - ◆ 150 kg FIBCs

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.

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