

CAB-O-SIL® TS-720

CAB-O-SIL TS-720 is a medium surface area fumed silica which has been surface modified with polydimethylsiloxane. The treatment renders it extremely hydrophobic, with very different properties than untreated silica.

TS-720 is characterized by:

- High purity
- Aggregate structure
- Submicron particle size
- Low bulk density
- Hydrophobic surface chemistry

Application Information:

CAB-O-SIL TS-720 is Cabot's most hydrophobic treated fumed silica making it an excellent choice for moisture sensitive systems. Further the surface chemistry of TS-720 makes it very effective, stable rheology control additive for polar systems.

Epoxy Adhesives and Coatings:

In epoxy adhesives and coatings, TS-720 provides good thickening efficiency, sag resistance (or film build) and anti-settling of pigments and fillers. While untreated fumed silica may also provide the similar rheology control initially, only TS-720 provides stable rheological properties over time. For applications requiring storage stability, TS-720 is recommended.

Polyurethane Adhesives and Coatings:

In polyurethane adhesives and coatings, TS-720 provides the same stable rheology control as in epoxy systems. In addition, the hydrophobic surface of TS-720 introduces very little moisture into these systems, preventing premature cross-linking of moisture cured systems.

Vinyl Ester Resins:

CAB-O-SIL TS-720 is used for rheology control of vinyl ester laminating resins and bonding pastes. While untreated fumed silica are effective thickeners of unsaturated polyester resin laminating resins, gel coats, and bonding pastes, TS-720 is a more effective rheology control additive for higher polarity systems like vinyl esters.



Packaging Options:

CAB-O-SIL TS-720 is packaged in multi-wall Kraft paper bags and flexible intermediate bulk containers (FIBC's). It is available in poly-shrouded units containing 18 x 10 lb. paper bags (net weight 180 lbs.) and 18 x 10 kg paper bags (net weight 180 kg) as well as in 150 kg FIBCs.

Material Safety Data Sheet:

A Material Safety Data Sheet for this product may be obtained by contacting the Cabot Corporation office in your region or can be downloaded from our website:

www.cabot-corp.com

Product Sales Specifications:

Sales specifications for this product may be obtained by contacting a sales or technical service manager at the Cabot Corporation office in your region.

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