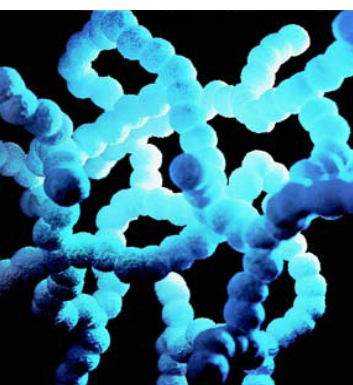


## CAB-O-SIL® TS-720



**CAB-O-SIL® TS-720** treated fumed silica is a high-purity silica which has been treated with a dimethyl silicone fluid. The treatment replaces many of the surface hydroxyl groups on the fumed silica with a polydimethyl-siloxane polymer. This treatment makes the silica extremely hydrophobic.

### Product Form

Powder

### Typical Properties

B.E.T. Surface Area	115 m <sup>2</sup> /g
Carbon	5.4
325 Mesh Residue (44 microns) 1.0% max.	0.5% max
Tamped Density	60 g/l
Loss on Heating*	< 0.6% max.
Specific Gravity	2.2 g/cm <sup>3</sup>
Wt. per gallon	18.3 lb
Refractive Index	1.46
X-ray Form	Amorphous
Average Particle (Aggregate) Length	0.2–0.3 microns

\*At time of packaging.

### Typical Applications

The unique properties of TS-720 treated fumed silica offer special benefits in many applications:

- The low moisture content of TS-720 (typically 0.2 wt. %) makes it usable without expensive drying when incorporated in moisture-sensitive systems.
- TS-720 is an excellent thixotrope for coatings, providing sag resistance, anti-settling, rheology control, and superior water resistance.
- TS-720 is a very efficient thixotrope for epoxy resins. It offers a stable sag resistance, even in high-temperature cure systems, without loss of other properties such as cure rate, extrusion rate, or lap shear tensile strength.
- TS-720 is an excellent thickener for greases and imparts the following attractive properties: water resistance, extremely high dropping point, and no significant loss of lubricating properties on long-term exposure to heat.
- TS-720 can dramatically improve and retain the desired free flow properties of powders stored or exposed for long periods of time.
- In high-consistency (heat-cured) silicone rubber formulations, TS-720 reduces “crepe” hardening, imparts excellent fresh and aged processing properties, and eliminates the need to use expensive processing aids, saving material costs and improving compounding flexibility.





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### Packaging Options

CAB-O-SIL® TS-720 treated fumed silica is packaged in North America in 10-lb multi-wall Kraft bags and is available in 21 x 10-lb poly-shrouded units. In Europe, TS-720 is packaged in 10-kg multi-wall Kraft bags and is available in 18 x 10-kg poly-shrouded units. Specific information regarding standard and custom packaging may be obtained by contacting a sales service representative at the Cabot Corporation office in your region.

### MSDS

A Material Safety Data Sheet for this product may be obtained by contacting the Cabot Corporation office in your region.

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