

CAB-O-SIL® TS-530



CAB-O-SIL® TS-530 treated fumed silica is a high-purity silica which has been treated with a hexamethyldisilazane. The treatment replaces many of the surface hydroxyl groups on the fumed silica with trimethylsilyl groups. This treatment makes the silica extremely hydrophobic.

Product Form

Powder

Typical Properties

B.E.T. Surface Area	225 m ² /g
Carbon	4.25
pH (4% slurry; 1:1 v/v isopropano/water)	4.5 - 6.5
Tamped Density	60 g/l
Specific Gravity	2.2 g/cm ³
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-530 treated fumed silica offer special benefits in many applications:

- TS-530 is an excellent reinforcing filler for elastomers. Its full surface treatment gives a low viscosity and its high surface area provide excellent reinforcement properties, such as tear strength.
- As a free flow agent, TS-530 is the most efficient of all the treated and untreated fumed silicas. This, combined with the potential to enhance the charging properties of a powder, makes TS-530 especially attractive for free flow applications in toners and powder coatings.
- TS-530 can function as an anti-settling agent in coatings. With its reduced thickening potential, it will not raise the viscosity of the system which is of great benefit in high-solids systems.
- TS-530 reduces the water permeability of a coating, thereby increasing its corrosion and humidity resistance.
- TS-530 is an effective dry powder carrier for oils such as perfumes, fragrances, pesticides, herbicides, and veterinary products.





creating what matters

Packaging Options

CAB-O-SIL® TS-530 treated fumed silica is packaged in North America in 10-lb multi-wall Kraft bags and is available in 24 x 10-lb 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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