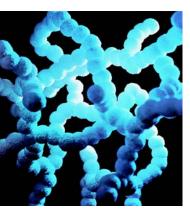


# TREATED FUMED SILICA

# 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 m²/g	
Carbon	4.25	
pH (4% sluffy; 1:1 v/v isopropano/water)	4.5 - 6.5	
Tamped Density	60 g/l	
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	
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\*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 highsolids 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, fregrances, pesticides, herbicides, and veterinary products.





# CAB-O-SIL® TS-530

TREATED FUMED SILICA



## **Packaging Options**

CAB-O-SIL<sup>®</sup> 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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