

CAB-O-SIL® TS-530

CAB-O-SIL TS-530 is a high surface area fumed silica which has been surface modified with hexamethyldisilazane. The treatment replaces some of the hydroxyls on the surface of the silica resulting in increased hydrophobicity and very different performance than untreated silica.

TS-530 is characterized by:

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



Application Information:

CAB-O-SIL TS-530 is used primarily for rheology control in medium to high polarity inks, coatings and adhesives and reinforcement of silicone rubber.

Ink, Coating and Adhesive Systems:

In medium to high polarity inks, coatings and adhesive, TS-530 provides low viscosity build with good sag resistance and anti-settling of pigments and fillers. This combination of properties makes TS-530 very useful in highly filled systems such as corrosion resistant coatings. In highly filled systems, TS-530 provides good anti-settling of the filler without significant, unwanted increase in viscosity.

In inks and coatings where surface appearance is important, TS-530 can provide a good balance of sag resistance and flow and leveling resulting in a smooth surface.

Silicone Rubber:

In HTV and liquid silicone rubber, TS-530 provides good reinforcement. As the surface is fully treated, further modification of the silica surface is not necessary to prevent crepe hardening. The compatibility of the TS-530 surface treatment with silicones enables faster incorporation and dispersion than an untreated fumed silica.



Packaging Options:

CAB-O-SIL TS-530 is packaged in 10 lb. and 5 kg multi-wall Kraft paper bags and is available in 24 x 10 lb. (net weight 240 lbs.) and 24 x 5 kg (net weight 120 kg) poly-shrouded units.

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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