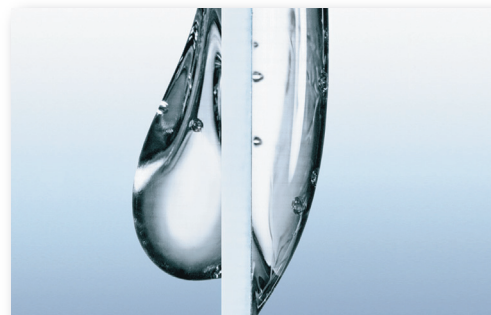


CAB-O-SIL® TS-610

CAB-O-SIL TS-610 is a low surface area fumed silica which has been surface modified with dimethyldichlorosilane. 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-610 is characterized by:

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



Application Information:

CAB-O-SIL TS-610 is used primarily for rheology control in non-polar to medium polarity inks, coatings and adhesives and free-flow additive for powder systems.

Ink, Coating and Adhesive Systems:

Like an untreated fumed silica the mechanism for thickening is hydrogen bonding between hydroxyl groups so TS-610 can be an effective thickener of non-polar to medium polarity systems. Although thickening potential is lower than an untreated fumed silica of equal base silica surface area, the different thixotropic response of TS-610 can provide better flow and leveling.

Powders:

The hydrophobicity surface of TS-610 has lower capacity to adsorb moisture than an untreated fumed silica of equivalent base silica surface area. Therefore, TS-610 will introduce and adsorb less moisture when used as a free-flow additive in powder systems. TS-610 is an effective free-flow additive for powder systems that are moisture sensitive. In high humidity and temperature storage conditions, powder systems incorporating TS-610 will not have reduced caking and lumping.



Packaging Options:

CAB-O-SIL TS-610 is packaged in 10 lb. and 10 kg multi-wall Kraft paper bags and available in 18 x 10 lb. (net weight 180 lbs.) and 18 x 10 kg (net weight 180 kg) poly-shrouded units.

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.

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

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