

HYDROPHOBIC FUMED SILICA

CAB-O-SIL® TS-610P Fumed Silica (Pharma Grade)

CAB-O-SIL® TS-610P is a high-purity hydrophobic colloidal silicon dioxide, treated fumed silica, which has been surface treated with dimethyldichlorosilane (DMDCS). The treatment replaces many of the surface hydroxyl groups on the fumed silica with methyl groups. This renders the silica less hydrophilic, having very different properties from untreated silica.

Used as free flow aid to improve powder flow of highly hygroscopic and cohesive powders, thickening aid for pharmaceutical oils, stabilizer for emulsions and control release of active ingredients.

CAB-O-SIL® TS-610 treated fumed silica is a light, fluffy powder that is white in appearance and is used as an excipient in pharmaceutical applications, tested according to Ph. Eur and USP/NF monographs. Registered under type IV excipient, DMF No. 34747

Typical Properties

Product Properties	UOM	Values
BET Specific Surface Area	m ² /g	105 - 145
pH (4% slurry, 80:20 IPA/Water)	-	4.0 min
Carbon Content	%	0.7 – 1.0
325 Mesh Residue (44 micron)	%	0.5 max
Tamped Density	g/L	70 max
Loss on Heating*	%	1.0 max

* at the time of packaging

Packaging Options

CAB-O-SIL TS-610P treated fumed silica is packaged in 10kg multi-wall Kraft paper bags.

Material Safety Data Sheet

A Material Safety Data Sheet for this product may be obtained from your local Cabot Sanmar representative.