

UNTREATED FUMED SILICA



CAB-O-SIL® M-5



CAB-O-SIL® M-5 untreated fumed silica is a synthetic, amorphous, colloidal silicon dioxide that is generally regarded as unique in industry because of its unusual particle characteristics. CAB-O-SIL® fumed silica's extremely small particle size, its enormous surface area, its high purity, and its chain-forming tendencies set it apart in a class of its own. CAB-O-SIL® fumed silica is a light, fluffy powder that is white in appearance and is used in many applications and in a variety of industries.

Product Form

Powder

Typical Properties

B.E.T. Surface Area	200 m ² /g
pH (4% aqueous slurry)	3.7 – 4.3
325 Mesh Residue (44 microns)	0.02% max.
Tamped Density	50 g/l
Loss on Heating*	< 1.5%
Specific Gravity	2.2 g/cm ³
Wt. per gallon	18.3 lb
Refractive Index	1.46
X-ray Form	Amorphous
Assay (% SiO ₂)	> 99.8
Oil Adsorption	~350 g/100 g oil
Average Particle (Aggregate) Length	0.2 – 0.3 microns

*At time of packaging.



Functions

Rheology Control
Reinforcement
Free Flow
Suspension
Adsorbant

Applications

Adhesives & Sealants
Coatings
Composites
Cosmetics
Foods
Inks
Pharmaceuticals

Packaging Options

CAB-O-SIL® fumed silicas are packaged in color-coded, multi-wall Kraft paper bags. Grade M-5 is packaged in North America in 10-lb bags and in Europe in 10 kg. bags. The bags are unitized and sized to provide product protection, facilitate efficient handling, and maximize payloads. 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 or visiting our website.

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