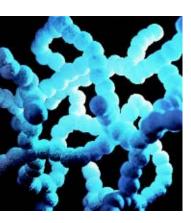




CAB-O-SIL® M-5



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 a variety of industries.

Product Form

Powder

Typical Properties

71 1		
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.	
Bulk Density*	3.0 lb/ft ³ max.	
(Pour Density)	(50 g/l Tap Density)	
Loss on Heating*	< 1.5% max.	
Loss on Ignition* (@ 1000°C)	< 2 wt. %	
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.



CAB-O-SIL® M-5

UNTREATED FUMED SILICA



Functions

Rheology Control

Reinforcement

Free Flow

Suspension

Adsorbant

Applications Adhesives & Sealants Coatings Composites Cosmetics Foods Inks

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

Pharmaceuticals

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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