



CAB-O-SIL® **M-5**

Untreated Fumed Silica

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

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* (Pour Density)	3.0 lb/ft ³ max. (50 g/l Tap Density)
Loss on Heating*	< 1.5% max.
Loss on Ignition* (@ 1000°C)	< 2 wt. %
Specific Gravity Wt. per gallon	2.2 g/cm ³ 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
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.

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USA

Cabot Corporation
700 E. U.S. Highway 36
Tuscola, IL 61953-9643
USA
Tel: (217) 253-3370 or
(800) 222-6745
Fax: (217) 253-4334

GERMANY

Cabot GmbH
Postfach 90 11 20
D-63420 Hanau
Germany
Tel: (49) 6181-505150
Fax: (49) 6181-505201

KUALA LUMPUR

Cabot Specialty Chemicals, Inc.
Level 14, MNI Tower 2
11, Jalan Pinang
50450 Kuala Lumpur
Tel: (60-3) 264-8352
Fax: (60-3) 262-0253

BRAZIL

Cabot Brasil Industria e
Comércio Ltda.
Av. João Castaldi, 88
04517-900, São Paulo, SP
Brazil
Tel: (55-11) 536-0388
Fax: (55-11) 542-6037



CABOT

creating what matters

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