

CAB-O-SIL® LM-150D

CAB-O-SIL® LM-150D, the densed form of CAB-O-SIL LM-150, is a low surface area fumed silica which provides moderate increase in viscosity and reinforcement of sealants and rubbers. The bulk density of LM-150D has been mechanically increased for faster incorporation and ease of handling.

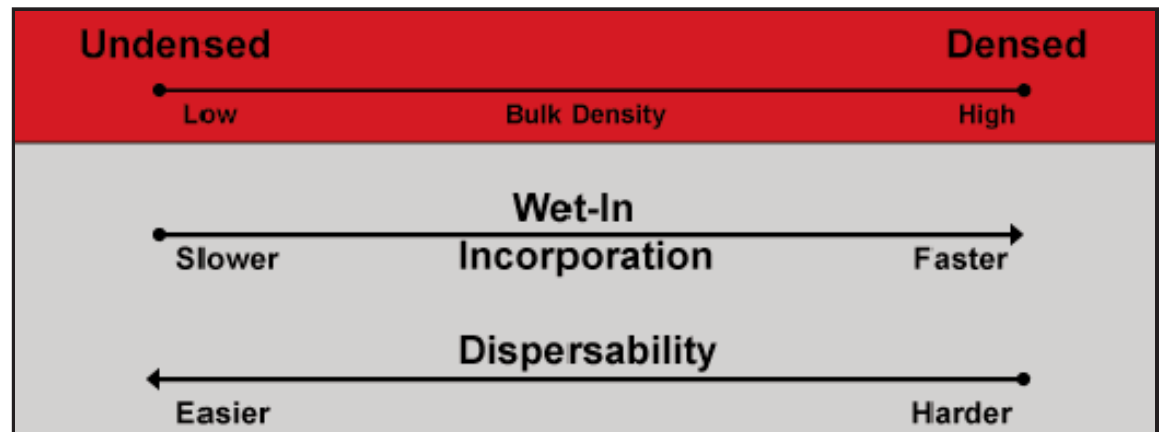
All untreated fumed silicas are characterized by:

- High purity
- Aggregated structure
- Submicron particle size
- Low bulk density
- Hydrophilic surface

Application Information:

CAB-O-SIL LM-150D is widely used to provide thixotropy and reinforcement of sealants and reinforcement in silicone rubbers. Use of a densed, higher bulk density, silica such as LM-150D requires very high shear dispersion equipment to achieve adequate dispersion of the silica. The higher bulk density of LM-150D facilitates faster wet-in or incorporation into these viscous polymer systems.

Comparison of Undensed and Densed Fumed Silicas



Silicone Sealants:

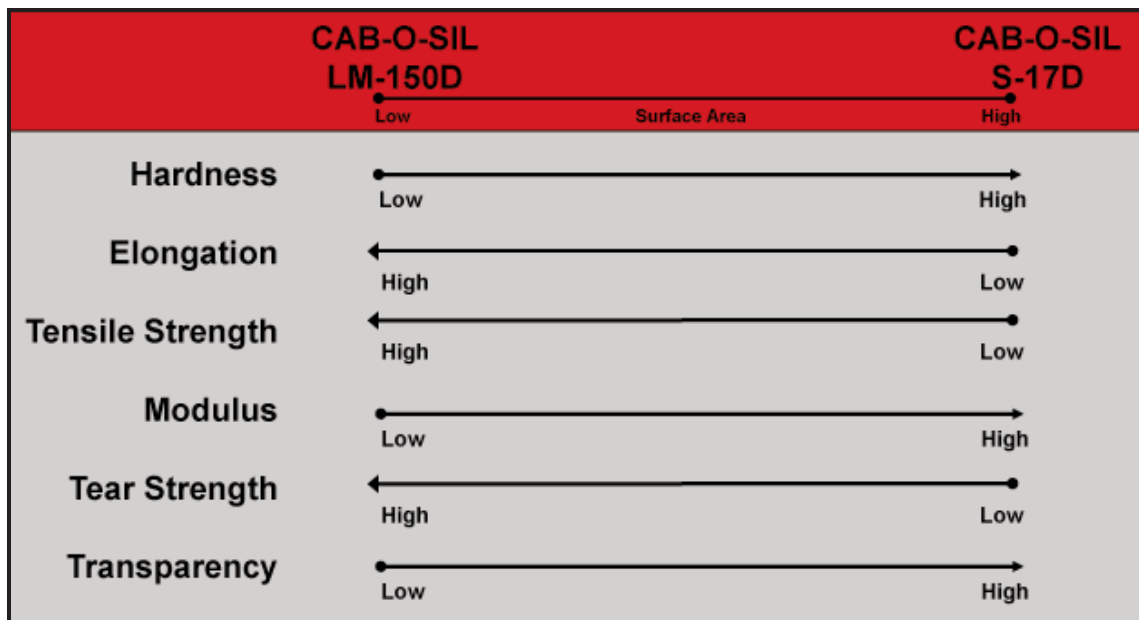
The primary application for CAB-O-SIL LM-150D is RTV-1 and RTV-2 silicone sealants. Among the untreated, densed fumed silicas, LM-150D provides the best balance of dispersability, thixotropy and reinforcement. While fumed silicas with higher surface area than LM-150D will provide higher thixotropy and reinforcement, adequate dispersion may not be achieved with the low shear mixing equipment widely used in the sealant industry.

Silicone Rubbers:

CAB-O-SIL LM-150D can be used for reinforcement of HTV/HCR. LM-150D provides only moderate increase in hardness, tensile, and elongation, but it is the easiest to disperse of the densed, untreated fumed silicas. Because of the hydrophilic surface of untreated fumed silicas, further modification of the silica surface is necessary to prevent crepe hardening.



Performance Comparison to Other Densified Fumed Silicas



Packaging Options:

CAB-O-SIL LM-150D is packaged in 20 kg multi-wall Kraft paper bags and is available in 18 x 20 kg (net weight 360 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

This information is provided as a convenience and for informational purposes only. No guarantee or warranty as to this information, or any product to which it relates, is given or implied. Cabot disclaims all warranties express or implied, including merchantability or fitness for a particular purpose as to (i) such information, (ii) any product or (iii) intellectual property infringement. In no event is Cabot responsible for, and Cabot does not accept and hereby disclaims liability for, any damages whatsoever in connection with the use of or reliance on this information or any product to which it relates.

NORTH AMERICA

Cabot Corporation
Business and Technical
Center
157 Concord Road
Billerica, MA 01821-7001
USA
Customer Service:
Tel: (800) 526-7591
Technical Service:
Tel: +1 (978) 663-3455
Tel: (800) 462-2313
Fax: +1 (978) 670-6167

EUROPE

Cabot
Interleuvenlaan 15 i
B-3001 Leuven
BELGIUM
Tel: +32 16 39 24 00
Fax: +32 16 39 24 44

ASIA/ PACIFIC

Cabot Specialty
Chemicals Level 21
MNI Tower 2
11, Jalan Pinang
50450 Kuala Lumpur
MALAYSIA
Tel: +60 3 2164 8352
Fax: +60 3 2161 0253

SOUTH AMERICA

Cabot Latin America Division
Rua do Paraiso 148 5th Floor
Paraiso CEP 04103-000
São Paulo SP
BRAZIL
Tel: +55 11 2144 6400
Fax: +55 11 3253 0051

CHINA

Cabot (China) Limited
558 Shuangbai Lu
Wujing Shanghai
201108
CHINA
Tel: +86 21 5175 8800
Fax: +86 21 6434 5532