

CAB-O-SIL[®] MS-75D FUMED SILICA

Product highlights

CAB-O-SIL MS-75D fumed silica, the densified form of CAB-O-SIL MS-55 fumed silica, is a medium-high surface area fumed silica that reinforces silicone rubber. The higher bulk density of CAB-O-SIL MS-75D fumed silica allows for faster incorporation and easier handling.



All untreated fumed silicas are characterized by:

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

Key applications

CAB-O-SIL MS-75D fumed silica is suitable for use in the reinforcement of silicone rubbers, including heat-cured rubber, high temp vulcanizing or high consistency rubber (HTV or HCR) and liquid silicone rubber (LSR), in which it can increase hardness, tensile strength and elongation. Due to the hydrophilic surface of CAB-O-SIL MS-75D fumed silica, further modification of its surface is necessary to prevent crepe hardening.

With use of a densified, higher bulk density silica, such as CAB-O-SIL MS-75D fumed silica, the use of very high shear dispersion equipment is recommended to achieve adequate dispersion of the silica. The higher bulk density of this product facilitates faster wet-in or incorporation into viscous polymer systems.

Product form and logistics

- ◆ Product form: powder
- ◆ Regional availability: global
- ◆ Packaging options:
 - ◆ North America: 15 x 20-lb paper bags (300 lb net weight)
 - ◆ North America: 500 lb FIBCs
 - ◆ EMEA: poly-shrouded units containing 16 x 17-kg paper bags (272 kg net weight)

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For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The CAB-O-SIL name is a registered trademark of Cabot Corporation.

NORTH AMERICA

Business & Technology Center
157 Concord Road
Billerica, MA 01821-7001
United States
T +1 800 462 2313
F +1 978 670 7035

SOUTH AMERICA

Cabot Brasil Industria e
Comercio Ltda.
Rua do Paraíso 148 - 5º andar
04103-000 São Paulo
Brazil
T +55 11 2144 6400
F +55 11 3253 0051

EUROPE

SIA Cabot Latvia
101 Mukusalas Street
LV-1004 Riga
Latvia
T +371 670 50 900
F +371 670 50 985

MIDDLE EAST/AFRICA

Cabot Specialty Chemicals
Jebel Ali Free Zone
LOB 15, Office 424, Dubai
United Arab Emirates
T +971 4 8871 800
F +971 4 8871 801

ASIA PACIFIC

Cabot China Ltd.
558 Shuangbai Road
Minghang District
Shanghai 201108
China
T +86 21 5175 8800
F +86 21 6434 5532

JAPAN

Cabot Specialty Chemicals, Inc.
Sumitomo Chiba-Daimon Bldg, 3F
2-5-5 Shiba Daimon,
Minato-ku, Tokyo 105-0012
Japan
T +81 6820 0255
F +81 3 5425 4500

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