

# CAB-O-SIL<sup>®</sup> M-7D FUMED SILICA

### Product highlights

CAB-O-SIL M-7D fumed silica, the densified form of CAB-O-SIL M-5 fumed silica, is a medium-high surface area fumed silica that reinforces silicone rubber. The higher bulk density of CAB-O-SIL M-7D 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

### Key applications

CAB-O-SIL M-7D 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 M-7D 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 M-7D 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: 10 kg and 20 lb bags, 500 lb FIBCs
  - ◆ EMEA: poly-shrouded units containing 18 x 20-kg paper bags (360 kg net weight)

# CAB-O-SIL® M-7D FUMED SILICA

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](http://cabotcorp.com).

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

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