CAB-O-SIL® MS-75D FUMED SILICA

Product highlights
CAB-O-SIL MS-75D fumed silica, the densed 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 densed, 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)
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.

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