HYDROPHILIC FUMED SILICA

CAB-O-SIL® M-5 Fumed Silica

CAB-O-SIL M-5 fumed silica is a medium surface fumed silica which enables a significant increase in viscosity in liquid systems, free flow of powders and reinforcement of silicone and organic rubbers.

All untreated fumed silicas are characterized by:

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

Application Information

Rheology Control for Coatings, Adhesive and other Liquid Systems
CAB-O-SIL M-5 fumed silica is widely used to provide thickening, thixotrophic (shear thinning), and anti-settling behavior in liquid systems. CAB-O-SIL M-5 fumed silica is most efficient in non-polar to medium polarity systems. For more polar systems, treated fumed silicas are more effective. This product offers an excellent balance of thickening efficiency and dispersibility.

Free-flow of Powder Systems
When blended into sticky and poorly flowing powder systems, CAB-O-SIL M-5 fumed silica reduces the angle of repose and improves powder flow. During storage of powder systems, CAB-O-SIL M-5 fumed silica can reduce caking and blocking.

Reinforcement of Silicone and Organic Rubber
CAB-O-SIL M-5 fumed silica can be used for reinforcement of silicone and organic rubbers. It imparts increases in hardness, tensile strength and elongation.

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Packaging Options

CAB-O-SIL M-5 fumed silica is packaged in multi-wall Kraft paper bags and flexible intermediate bulk containers (FIBCs). In North America it is available in poly-shrouded units containing 18 x 10 lb. paper bags (180 lb. net weight) and in 250 lb. FIBCs. In Europe and Asia it is available in poly-shrouded units containing 18 x 10 kg paper bags (180 kg net weight) and in 150 kg FIBCs.

Material Safety Data Sheet

A Material Safety Data Sheet for this product may be obtained from your local Cabot representative or can be downloaded from our website at cabotcorp.com.

Product Sales Specifications

Sales specifications for this product may be obtained from your local Cabot representative.

CABOT

cabotcorp.com

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