

CAB-O-SIL® EH-5 Fumed Silica



CAB-O-SIL EH-5 fumed silica is a very high surface fumed silica which can increase the viscosity of liquid systems and provide significant 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 chemistry

Application Information

Rheology Control for Coatings, Adhesive and other Liquid Systems

CAB-O-SIL EH-5 fumed silica can be used to provide thickening, thixotropic (shear-thinning), and anti-settling behavior in liquid systems. Very high shear dispersion equipment is required to realize the full benefits of this product. For clear coatings and other systems, very well dispersed CAB-O-SIL EH-5 fumed silica provides greater transparency than lower surface area fumed silicas. Untreated fumed silicas are most efficient in non-polar to medium polar systems for building viscosity and improving sag-resistance. For more polar systems, treated fumed silicas may be more efficient.

Reinforcement of Silicone and Organic Rubber

CAB-O-SIL EH-5 fumed silica can be used for reinforcement of silicone rubber and can be used to reinforce organic rubbers. It imparts good increase in hardness, tensile and elongation. For clear silicone rubber applications, well-dispersed CAB-O-SIL EH-5 fumed silica provides excellent transparency.

Packaging Options

CAB-O-SIL EH-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 it is available in poly-shrouded units containing 18 x 10 kg paper bags (180 kg net weight) and in 150 kg FIBCs.

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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.

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2/2014