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AEROSIL

Description:

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 silica's 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, thixotropic (shear thinning), and anti-settling behaviour 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 silica's 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.