

CAB-O-SIL® MS-55

CAB-O-SIL MS-55 is a medium-high surface fumed silica which imparts significant increase in viscosity in liquid systems, provides good reinforcement of rubber and has high adsorptive capacity for inks in microporous coatings for inkjet media.

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 MS-55 is used to provide thickening, thixotropic (shear-thinning), and anti-settling behavior in liquid systems. MS-55 is most efficient in non-polar to medium polarity systems. For more polar systems, treated fumed silicas are more effective. MS-55 offers a good balance between thickening efficiency and dispersibility.

Microporous Coatings for Inkjet Media:

CAB-O-SIL MS-55 fumed silica is used in microporous coatings for inkjet printing. Microporous coatings enable instant dry printing, a significant improvement over slow drying polymer swellable coatings. The high adsorptive capacity of MS-55 provides fast adsorption of inks and rapid drying speed.

Reinforcement of Silicone and Organic Rubber:

CAB-O-SIL MS-55 is commonly used for reinforcement of silicone rubber and can be used to reinforce organic rubbers. It imparts good increase in hardness, tensile and elongation.

Packaging Options:

CAB-O-SIL MS-55 is packaged in multi-wall Kraft paper bags. It is available in poly-shrouded units containing 18 x 10 kg. paper bags (180 kg. net weight).

Product Sales Specifications:

Sales specifications for this product may be obtained by contacting a sales or technical service manager at the Cabot Corporation office in your region.

Material Safety Data Sheet:

A Material Safety Data Sheet for this product may be obtained by contacting the Cabot Corporation office in your region or can be downloaded from our website: www.cabot-corp.com

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