

CAB-O-SIL® LM-150

CAB-O-SIL LM-150 is a low surface area fumed silica which imparts moderate increase in viscosity and reinforcement in liquid and polymer systems.

Untreated fumed silicas are characterized by:

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

Application Information:

CAB-O-SIL LM-150 is used primarily for thixotropy in silicone sealants and reinforcement in silicone rubbers.

Performance Comparison to Other Untreated Fumed Silicas:

	CAB-O-SIL LM-150	Surface Area	CAB-O-SIL EH-5
	Low		High
Hardness	Low	→	High
Elongation	High	←	Low
Tensile Strength	High	←	Low
Modulus	Low	→	High
Tear Strength	High	←	Low
Transparency	Low	→	High

Silicone Sealants:

The primary application for CAB-O-SIL LM-150 is RTV-1 and RTV-2 silicone sealants. Among the untreated fumed silicas, LM-150 provides the best balance of dispersability, thixotropy and reinforcement. While fumed silicas with higher surface area than LM-150 will provide higher thixotropy and reinforcement, adequate dispersion cannot be achieved with the low shear mixing equipment widely used in the sealant industry.

Silicone Rubbers:

CAB-O-SIL LM-150 can be used for reinforcement of HTV/HCR. It imparts only moderate increase in hardness, tensile and elongation, but is the most easily dispersed untreated fumed silica. Because of the hydrophilic surface of untreated fumed silicas, further modification of the silica surface is necessary to prevent crepe hardening.



Packaging Options:

CAB-O-SIL LM-150 is packaged in 10 kg multi-wall Kraft paper bags and available in 18 x 10 kg (net weight 180 kg) poly-shrouded units. It is also packaged in 150 kg flexible intermediate bulk containers (FIBCs). For other bulk package options contact a sales manager at the Cabot Corporation office in your region.

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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