

CAB-O-SIL® CT-1221

CAB-O-SIL CT-1221 is a fluidizing additive specifically designed for powder coatings applications and other powders requiring enhanced free flow and fluidization performance. This is a high-purity silica that has been treated with hexamethyldisilazane. The treatment replaces many of the surface hydroxyl groups on the fumed silica with trimethylsilyl groups, rendering the silica very hydrophobic.

Application Information:

Powder Coatings:

- Provides excellent fluidization and free-flow properties.
- Hydrophobic nature provides anti-blocking/anti-caking properties.
- Improves storage stability of powder coatings.
- Improves transfer efficiency and productivity during the application of the powder coating.
- High performance achieved at low loading levels.

Performance Comparison:

Product	Product Features		Benefits in Powder Coatings					
	Electrostatic Charge	Surface Modification	Fluidization Free Flow	Anti-blocking	Recommended for:			Recommended Point of Addition
					Humidity Stability	Tribocharge Spraying	Corona Spraying	
SpectraI 100 fumed alumina	positive	no hydrophilic	Good	Good	Good	Yes	Yes	at grinder or pulverization
CAB-O-SIL M-5 untreated fumed silica	negative	no hydrophilic	Good	Good	Fair	No	Yes	at grinder or pulverization
CAB-O-SIL CT-1221	negative	yes hydrophobic	Excellent	Excellent	Excellent	No	Yes	at grinder or pulverization
CAB-O-SIL CT-1111G	negative	yes hydrophobic	Excellent	Excellent	Excellent	No	Yes	at or after grinder or pulverization





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Packaging Options:

CAB-O-SIL CT-1221 fluidizing additive is packaged in (10-lb) multi-wall Kraft bags. It is available in poly-shrouded units containing 18 x 10 lb. paper bags (180 lb. 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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