

CAB-O-SPERSE® 4012K AQUEOUS DISPERSION

Product portfolio highlights

CAB-O-SPERSE aqueous dispersions reduce formulation processing time by providing fumed silica in an easy-to-use, water-based system. The dispersions are dispersant-free, electrostatically stabilized and available over a range of pH, metal oxide particle size and solids weight percent.

Product characteristics

CAB-O-SPERSE 4012K aqueous dispersion presents CAB-O-SIL® EH-5 fumed silica, a high surface area fumed silica, in a dispersant-free, ready-to-use formulation. CAB-O-SPERSE 4012K aqueous dispersion provides all the performance benefits of fumed silica in an easy-to-handle, ready-to-use, dust-free form. The silica particles in CAB-O-SPERSE 4012K aqueous dispersion are stabilized with potassium hydroxide and negatively charged.



Key applications

- ◆ Coatings
- ◆ Metal pretreatment
- ◆ Adhesives
- ◆ Polishing abrasives
- ◆ Paper
- ◆ Packaging and labels
- ◆ Elastomers
- ◆ Plastics
- ◆ Lighting
- ◆ Composites
- ◆ Energy
- ◆ Ink reception coatings

Performance benefits

- ◆ Abrasion resistance
- ◆ Corrosion resistance
- ◆ Transparency
- ◆ Rheology control
- ◆ Adhesion
- ◆ Hydrophilicity
- ◆ Mechanical strength
- ◆ Tack-free time
- ◆ Free flow
- ◆ Anti-block
- ◆ Reinforcement
- ◆ Adsorption

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TYPICAL PROPERTIES	
PROPERTY	DATA
pH	10.3
Viscosity (cP)	100 Maximum
Specific gravity	1.07
Percent solids (%)	12

The data in the table above are typical values intended as guidance only; they are not product specifications. Product specifications are available upon request from your Cabot Sanmar representative.

Product form and logistics

- ♦ Regional availability: India
- ♦ Product form: Aqueous dispersion
- ♦ Packaging options: 50 liter plastic can, 220 liter HTPE Drum

The CAB-O-SPERSE and CAB-O-SIL names are registered trademarks of Cabot Corporation.



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