

CAB-O-SIL[®] S-17D FUMED SILICA

Product highlights

CAB-O-SIL S-17D fumed silica is Cabot's highest surface area fumed silica available. It imparts the highest reinforcement to silicone rubbers among Cabot fumed silica products. The bulk density of CAB-O-SIL S-17D fumed silica has been mechanically increased to promote faster incorporation and ease of handling.



All untreated fumed silicas are characterized by:

- ◆ High purity
- ◆ Aggregated structure
- ◆ Submicron particle size
- ◆ Hydrophilic surface

Key application

CAB-O-SIL S-17D fumed silica is suitable for use in the reinforcement of liquid silicone rubber (LSR). It imparts the greatest increase in hardness, tensile strength and elongation at break out of all Cabot fumed silicas. For clear LSR applications, very well dispersed CAB-O-SIL S-17D fumed silica can provide excellent transparency. Because of the hydrophilic surface of untreated fumed silicas, further modification of the silica surface is necessary to prevent crepe hardening.

Use of a denser, higher bulk density silica such as our CAB-O-SIL S-17D product requires very high shear dispersion equipment to achieve adequate dispersion of the silica. The higher bulk density of CAB-O-SIL S-17D fumed silica facilitates faster wet-in or incorporation into viscous polymer systems.

Product form and logistics

- ◆ Product form: powder
- ◆ Regional availability: global
- ◆ Packaging options – multi-wall Kraft paper bags:
 - ◆ North America: 15 x 20 lb poly-shrouded units (net weight 300 lb)
 - ◆ EMEA: 16 x 20 kg poly-shrouded units (net weight 330 kg)

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For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The CAB-O-SIL name is a registered trademark of Cabot Corporation.

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