

Product Information

Bi-SiL 200 Hydrophilic Fumed Silica

Product Description:

Bi-SiL 200 Hydrophilic Fumed Silica is a high purity, free flowing and anti-caking white colloidal powder composed of fumed silica with a specific surface area of 200 m²/g. Fumed silica is generated from burning volatile silanes in an oxygen-hydrogen flame at high temperatures. Bi-SiL 200 Hydrophilic Fumed Silica has excellent anti-sagging, anti-settling, thickening, thixotropy control, transparency and rheology control properties. It provides increased mechanical, tensile and bond strength, and has low thermal conductivity.

Applications:

Bi-SiL 200 Hydrophilic Fumed Silica is used in a variety of applications but not limited to HTV and RTV silicone rubber, adhesives, cable gels used in fiber optic cables, composite materials, coatings, inks, glassy metals, greases, flask resins, sealants and toners.

Specifications

Parameters (units)	Specifications
BET specific surface area (m ² /g)	200 ± 25
pH, 4% aqueous dispersion	3.6 - 4.5
Loss on drying, 2 hrs at 105 °C (%)	≤ 2.0
Loss on ignition, 2 hrs at 1000 °C, using loss on drying material (%)	≤ 2.5
Residue on 45 µm sieve (%)	≤ 0.05
Silica content, using loss on ignition material (%)	≥ 99.8
Tapped density, using loss on drying material (g/L)	30 - 60

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bisleyinternational.com

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Packaging:

Material is available in 10 kg kraft paper bags. Further packaging options may be available upon enquiry.

Storage:

Product should be stored in a dry place away from direct sunlight in sealed, original packaging.

Safety:

For further safety information refer to product SDS available from your Bisley International contact.

Disclaimer: This document is for information purpose only. Customers are responsible for testing and conforming the suitability of this product in their application. To the extent permitted by law, no warranty as to merchantability or fitness of purpose, expressed or implied, is made.

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