



Fumed Silica data sheet

Description: It is a very fine amorphous silicon dioxide made by combustion of high purity silicon tetrachloride with oxygen and hydrogen.

| Properties | Unit | Value |
|-------------------------------------|--------------------|---------|
| Specific surface area (BET) | m ² / g | 190-230 |
| Bulk Density | g / L | 50 |
| pH (4% suspension) | | 4,2 |
| SiO ₂ purity (Dry basis) | % | > 99,9 |
| Cl | ppm | < 50 |
| Al | ppm | < 20 |
| Fe | ppm | < 20 |
| 44µm Residue | % | < 0,01 |
| Moisture content (Dry up, %) *1 | % | < 2,0 |

* when leaving plant

Characteristics: Silica is a viscosity regulator, used to control sag characteristics of resin matrix or matrix-filler mixes. Very hard to sand (it is derived from quartz,) is not to be used in large quantities if sanding is anticipated. Very good to create structural adhesives, and useful in applications where a hard wearing surface or scratch resistance is needed (like molds). Suggested quantity to add in putties depends upon application. It is used as reinforcing, thickening, anti-setting, thixotropic and free flow agent. Its unique properties offer advantages in many applications: silicone rubber, sealants, organic elastomers, UPR, adhesives, paint, ink and free flow.

Note: Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user.

SALES & ORDER PROCESSING

28th of October St No 8A, 37300
Agria, Greece, EU

EU ORDERING INFO

Tel: +30 2428092210
Email: sales@fibermax.eu

Head office: Fibremax Ltd
35 Grafton Way, W1T 5DB
London, UK