

Technical data sheet

Silica fume

Product: densified silica fume - is an amorphous silicon dioxide collected as a by-product from production of silicon metal

Standard quality available:

Amorphous	Silica fume is not crystalline material		
Silicon dioxide (SiO ₂)	≥ 90 %		
Bulk density	>600 kg/m ³		
Specific surface (ISO 9277)	15 – 35 m ² /g		
Activity index 7 days (ASTM C1240)	> 100 %		
Chemical characteristics			
Elemental Si	< 0,40 %	Na ₂ O	0,10 – 0,50 %
pH	7.0 – 8.5	K ₂ O	< 1,00 %
Fe ₂ O ₃	0,05 – 0,20 %	MnO	0,01 – 0,04 %
Al ₂ O ₃	0,05 – 0,30 %	P ₂ O ₅	< 0,15 %
CaO	< 1 %	Cl	< 0,30 %
LOI	< 4 %	MgO	0,20 – 0,45 %

*Quality control is being conducted in state-of-the-art laboratory via XRF

Color: Light grey- grey

Moisture: <1%

Standard packing: big bag

Classification: The product does not meet the criteria for classification as a hazardous substance according to EC Regulation No. 1272/2008 (CLP) and does not contain any substances that pose a hazard for human health or the environment and/or PBT/vPvB and/or substances included in the SVHC candidate list. More details available in the product SDS.

Storage: Store in a dry, ventilated place out from high temperatures and potential ignition sources.

Certifications: Silica fume conforms to the requirements of EN 13263-1:2005+A1:2009, Silica fume for concrete Class 1. certified by Institute IGH and provided with the CE mark.

ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety management systems

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Any additional Information can be found on our web site <https://metalleghesilicon.com/> and shall be provided by Sales department at contact e-mail: sales@metalleghesilicon.com and/or tel.: +387 50 490 030