

Product Data Sheet

Silgrain® HQ

1. Description

Silgrain® HQ is a silicon powder with low content of impurities.

2. Application

The main applications for Silgrain® HQ are as raw material in the production of fillers for epoxy in electronics, as alloying element in aluminium and as raw material in the ceramic industry. Silgrain® HQ is especially used in areas where high purity is needed.

3. Chemical analysis

See table below for chemical specifications.

4. Sizes

The typical size of Silgrain® HQ is 0.2-0.8 mm. Our Silgrain® HQ 0.2-0.8 mm has a very low

content of fines. Particle size distributions can be supplied upon request.

5. Packing

Silgrain® HQ can be delivered in 1000 kg big bags. Other non-standard packaging on request.

6. Local Elkem representative

For further information please contact our sales representative. Our specialists will help solve any individual problem.

7. Health, Safety and Environment

Not classified as hazardous material in accordance with GHS and CLP. Please refer to the corresponding Elkem Product Safety Information No. 302 for further details.

Silgrain® HQ

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti wt%	P ppmw	B ppmw	Size
Max		0.05	0.12	0.02	0.005	35	35	
Min		0.02	0.07	0.005	0.001			
Typical	99.8	0.04	0.09	0.013	0.001	25	30	0.2-0.8 mm

Other trace elements on request

Fe, Al, Ca and Ti measured by XRF (X-ray fluorescence)

P and B measured by ICP (Inductively Coupled Plasma)

*Si wt% = 100 wt% - Fe wt% - Al wt% - Ca wt% - Ti wt% - 0.1 wt%

The 0.1 wt% is subtracted as a lump sum of metallic elements in silicon not separately subtracted

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Revised September 2020

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