

# 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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