

Product Data Sheet

Silgrain® XF MicronCut

1. Description

Silgrain® XF MicronCut is a micronised silicon powder where the content of other elements can be adjusted to fit customer requirements.

2. Application

The main application for Silgrain® XF MicronCut is as a raw material for the ceramic industry.

3. Chemical analysis

See table below for chemical specifications.

4. Sizes

Silgrain® XF MicronCut can be delivered in a wide range of sizes. Typical sizes are 0-10 µm, 0-20 µm, 0-45 µm, 0-60 µm, 0-75 µm, 0-100 µm and 0-150 µm. All products contain max. 1% oversize according to laser diffraction.

Particle size distribution curves and D10, D50 and D90 values can be supplied upon request.

5. Packing

Silgrain® XF MicronCut can be delivered in 1000 kg big bags or 25 kg paper 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® XF MicronCut

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti wt%
Max		1.0	1.0	0.12	0.20
Min		0.4	0.4	0.04	0.05
Typical	97.8	0.65	0.65	0.08	0.11

Other trace elements on request

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

*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

Silgrain® is a registered trademark of Elkem ASA.

This product data sheet is the property of Elkem ASA and may not, without written permission, be used, copied or made available to others. The receiver is responsible for any misuse.

Revised September 2020

©Copyright Elkem ASA