

Product Data Sheet

Silgrain® Braze

1. Description

Silgrain® Braze is a silicon powder developed for the aluminium brazing industry.

2. Application

The main application for Silgrain® Braze is as a raw material for the aluminium brazing industry.

3. Chemical analysis

See table below for chemical specifications.

4. Sizes

The particle size of Silgrain® Braze is produced according to our customers' specifications. Special care is taken to closely control the particle size distribution and minimize the risk of oversize particles in our Silgrain® Braze

product. Contact us and we will produce a product customized for your process.

5. Packing

Silgrain® Braze can be delivered in 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® Braze

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti wt%	P ppmw	B ppmw
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

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

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