

Product data sheet

Silgrain®

1. Description

Silgrain® is a silicon powder containing min. 99% Si and can be supplied in different grades.

2. Application

The main application for Silgrain® is as raw material in the electronic industry (trichlorosilane - process), as alloying element in aluminium and as raw material in the ceramic industry.

3. Chemical analysis and size

Silgrain® coarse

Analysis	Si wt%	Fe wt%	Al wt%	Ca wt%	Ti wt%	P wtppm	B wtppm	Size
Max		0,20	0,25	0,050	0,020	35	35	
Min		0,08	0,13	0,013	0,008	25	25	
Typical	99,5	0,11	0,18	0,023	0,012	30	30	0,2-0,8 mm

Silgrain® fine

Analysis	Si wt%	Fe wt%	Al wt%	Ca wt%	Ti wt%	P wtppm	B wtppm	Size
Max		0,35	0,35	0,050	0,035	35	35	
Min		0,15	0,20	0,020	0,015	25	25	
Typical	99,3	0,21	0,25	0,033	0,023	30	30	0-425 micron

Trace elements and size distribution on request.

Silgrain® is registered trademark of Elkem AS.

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