

Product Data Sheet

Silgrain® Supreme PreSize

1. Description

Silgrain® Supreme PreSize is a silicon powder with a very low content of all impurities.

2. Application

The main application for Silgrain® Supreme PreSize is as a raw material for the production of sputtering targets used in glass coating and electronic industry. Our Silgrain® Supreme PreSize is tailor made for thermal spraying processes.

3. Chemical analysis

See table below for chemical specifications.

4. Sizes

Silgrain® Supreme PreSize is produced with both a well-defined bottom cut and top cut. Typical size is 40-120 µm. Particle size distribution curves and D10, D50 and D90

values can be supplied upon request. Contact us if other closed particle size distributions is needed.

5. Packing

Silgrain® Supreme PreSize can be delivered in 1000 kg big bags or 125 kg steel drums. 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® Supreme PreSize

Analysis	Si* wt%	Fe ppmw	Al ppmw	Ca ppmw	Ti ppmw	P ppmw	B ppmw
Max		20	20	20	20	5	5
Typical	99.995	< 10	< 10	< 10	< 5	< 1	< 1

Other trace elements on request

Fe, Al, Ca, Ti, P, B, Mn, Cu, Ni, Cr, Mg and V measured by ICP (Inductively Coupled Plasma)

*Si wt% = 100wt% - Fe wt% - Al wt% - Ca wt% - Ti wt% - B wt% - P wt% - Mn wt% - Cu wt% - Ni wt% - Cr wt% - Mg wt% - V wt%

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