

Product Data Sheet

Silicon 99

Elkem ASA Silicon Products
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Description Silicon 99 is ladle refined silicon of minimum 99%* purity

Applications Silicon 99 is highly versatile and is used as alloying material to aluminium metal and as raw material in both silicone production and production of high purity silicon (solar and electronic) and other industrial applications.

Chemical analysis & physical data

| Product | Si* wt% | Fe wt% | Ca wt% | Al** wt% | Ti ppmw | P ppmw |
|-----------|------------|-----------|-----------|---------------|-----------------|---------------|
| Si 25 02 | Min 99 | Max 0.25 | Max 0.02 | Typical < 0.3 | Typical 200-300 | Typical 10-25 |
| Si 30 03 | Min 99 | Max 0.30 | Max 0.03 | Typical < 0.3 | Typical 200-300 | Typical 10-25 |
| Si 35 015 | Min 99 | Max 0.35 | Max 0.015 | Typical < 0.3 | Typical 200-300 | Typical 20-40 |
| Si 40 03 | Min 99 | Max 0.40 | Max 0.03 | Typical < 0.3 | Typical 200-300 | Typical 20-40 |
| Si 40 10 | Min 99 | Max 0.40 | Max 0.10 | Typical < 0.3 | Typical 200-300 | Typical 20-40 |
| Si 50 03 | Min 99 | Max 0.50 | Max 0.03 | Typical < 0.3 | Typical 200-300 | Typical 20-40 |
| Si 50 10 | Min 99 | Max 0.50 | Max 0.10 | Typical < 0.3 | Typical 200-300 | Typical 20-40 |

Examples of standard products are listed above. Other qualities are available on request.

Fe, Al, Ca, Ti and P measured by XRF (X-ray fluorescence). Other trace elements on request.

**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 other metallic elements in silicon.

***Al can be adjusted as required.*

Sizing Sizing can be adapted to your needs. Please contact us for examples.

Packaging Silicon 99 can be delivered in bulk or in big bags.

Storage and handling Store under dry conditions. Avoid handling that generates dust build-up.

Shelf life Unlimited when stored under dry conditions.

Health, safety & environment The product does not meet the criteria for hazard classification according to Regulation (EC) No 1272/2008 (CLP) and UN GHS (7th rev.). For more information on Silicon 99 please refer to Elkem Product Safety Information No. 301.

Quality assurance Elkem's management system is certified to ISO 9001:2015.

Sustainability For Elkem, sustainability is central to our business strategy. Our mission is to provide advanced material solutions shaping a better and more sustainable future, adding value to our stakeholders globally. We are committed to reductions in embodied carbon emissions. For further information, please visit www.elkem.com/sustainability/ or contact us to learn more about our sustainability roadmap.

Additional Information and contact For further information please use our contact form which can be found at <https://content.elkem.com/contact-silicon-products>. An Elkem Sales representative will follow-up.