

Product Data Sheet

SiLLOY™

Elkem ASA Silicon Products
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Description SiLLOY™ is a family of refined Silicon products with controlled Iron and very low levels of Calcium and Phosphorus.

Applications SiLLOY™ is normally used as an alloying material for aluminium, but is also used in several other industrial applications.

Chemical analysis & physical data

SiLLOY™ 90

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti ppmw	P ppmw
Max		1.1	0.5	0.05	900	50
Min	98.0					
Typical	98.6	0.9	0.25	0.015	700	30

SiLLOY™ 130

Analysis	Si* wt%	Fe wt%	Al wt%	Ca wt%	Ti ppmw	P ppmw
Max		1.5	0.5	0.05	900	50
Min	97.5					
Typical	98.2	1.3	0.25	0.015	700	30

Stable analysis due to high volume production lots.
 With suitable production volumes, other specifications can be agreed. Please contact us.

*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.*

Sizing SiLLOY™ is normally delivered in sizing 10-100mm. Other sizes available on request.

Packaging SiLLOY™ 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. 1014.

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.