

# Product data sheet

## Elkem Microsilica® 951

**Elkem ASA Silicon Products**  
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### Only for Asia and Oceania

**Description** Elkem Microsilica® is a key ingredient in advanced low and ultra-low cement castables. It is highly reactive during sintering, which leads to improved ceramic bonding at reduced firing temperatures.

**Applications** Elkem Microsilica® is used in castables, gunning mixes and other shaped and unshaped materials.

- Benefits**
  - Improved flow – easier to cast
  - Improved particle packing - denser castables
  - Gelification (coagulation) in gunning mixes
  - Improved hot-strength properties

<b>Chemical analysis &amp; physical data</b>	<b>Weight%</b>	<b>Spec*</b>
	SiO <sub>2</sub>	min. 94.0
	C	max. 2.0
	Fe <sub>2</sub> O <sub>3</sub>	max. 1.0
	Al <sub>2</sub> O <sub>3</sub>	max. 1.0
	CaO	max. 1.0
	MgO	max. 1.0
	K <sub>2</sub> O	max. 1.2
	Na <sub>2</sub> O	max. 0.5
	H <sub>2</sub> O **	max. 1.0
	<b>Properties</b>	<b>Spec*</b>
	Loss on Ignition	% max. 3.0
	Coarse Particles >45µm	% max. 1.0
	Bulk density **	kg/m <sup>3</sup> 200-450

\* Test methods are available upon request  
 \*\* When packed

**Packaging** The product is available in 25 kg or 20 kg small bags and various sized big bags. Please contact our sales representative for more details.

- Storage and handling**
  - Avoid dust generation
  - Store material properly, protected from moisture and contamination

**Health, safety & environment** Please consult our Product Safety information on our website: <https://www.elkem.com/silicon-products/refractories/microsilica/page-1/>.

**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 reduction in embodied carbon emission. For further information, please visit [www.elkem.com/sustainability/](http://www.elkem.com/sustainability/) or contact us to learn more about our sustainability roadmap.

**Additional information and contact** For further information, please contact our local sales representative. Our specialists will assist you in solving individual problems.