Product data sheet
Elkem Microsilica® 951

Elkem ASA Silicon Products
Drammensveien 169 P.O. Box 334
Skøyen NO-0213 OSLO
Tel: +47 22 45 01 00
www.elkem.com

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

Chemical analysis & physical data

Weight%	Spec*	
SiO_2	min.	94.0
C	max.	2.0
Fe_2O_3	max.	1.0
Al_2O_3	max.	1.0
CaO	max.	1.0
MgO	max.	1.0
K_2O	max.	1.2
Na_2O	max.	0.5
H_2O **	max.	1.0

Properties	Spec*
Loss on Ignition	% max. 3.0
Coarse Particles >45µm	% max. 1.5
Bulk density **	kg/m^3 200-450

* 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/ 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.