

Product Data Sheet

Silicon Powders

Silicio FerroSolar offers finely ground silicon powder for different applications fields such as the ceramic industry (for example ceramic bearings or cutting tools), pyrotechnical mixes, filler for epoxy in microelectronics, sputtering targets and aesthetical applications. Our production technology allow us to offer tailored solutions for each application.

Chemical composition

	2N Spec.	3N Spec.	4N Spec.	5N Spec.
Si Content (%)	>99	>99.9	>99.99	>99.999
IMPURITIES (%):				
Fe	<0.50	<0.05	<0.005	<0.0010
Al	<0.20	<0.01	<0.001	<0.0001
Ca	<0.05	<0.01	<0.001	<0.0001
Ti	<0.02	<0.005	<1ppmw	<0,1ppmw
P*	5-20 ppmw	5-20 ppmw	5-20 ppmw	<1 ppmw
B*	25-35 ppmw	25-35 ppmw	25-35 ppmw	<1 ppmw

*These are the typical range values for B and P. Any target value could be produced.

**Other trace elements on request

Particle size

Sizes could be adapted to the different needs. Typical sizes are 0-10 µm, 0-20 µm, 0-45 µm, 0-60 µm, 0-75 µm, 0-100 µm and 0-150 µm. We could also produce coarse grains even cutting off the fines, for example, 0.2-3.0 mm size.

sfs@ferroglobe.com