

## High-purity silicon carbide powder for semiconductor and electronic applications

High-purity silicon carbide, manufactured using the Acheson process, is utilized in the semiconductor industry for a wide range of components and devices, including wafer boats, paddles, tubes, flanges, and more.

### Typical chemistry

Char. description	Unit	Value
Free C	%	0,02
Free Si	%	0,07
Total O <sub>2</sub>	%	0,05
Al	ppm	110
Fe	ppm	100
Ni	ppm	25
V	ppm	33
Ti	ppm	7,5
B	ppm	1,2
Cr	ppm	<0,3
Cu	ppm	0,16
S	ppm	2,1
Zn	ppm	1
Li	ppm	<0,05

### Particle size distribution – laser technique

Char. description	Unit	Value
d10%	µm	312
d50%	µm	226
d90%	µm	164

### Analytical procedures:

All measurement is in accordance to FEPA, ANSI or JIS, or other methods in agreement with customers. Trace element analysis by GDMS

### Packaging:

25 kg paper bags

The information contained in this Product Information document is the sole property of Fiven, and cannot be distributed outside Fiven or its Customers, entirely or in parts, without prior consent of Fiven. The Product Information documents display typical characteristics for Fiven's products as currently produced in Fiven's various manufacturing locations. These typical characteristics do not constitute a precise Customer Specification, which must be developed through commercial discussions between Customers and Fiven. Only with this precise Customer Specification can Fiven assume any commitments or liabilities related to the quality of its product.