

sicapowder®

Silicon Carbide Powder

A dry granular base powder

simonsen®

Packing Density:	 kg/m ³	1800
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Max. Service Temp.	 °C	1350
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Chemical Analysis:	SiC	min.	%	98.00
	SiO ₂	max.	%	0.70
	Si	max.	%	0.70
	C	max.	%	0.24
	Al ₂ O ₃ + Fe ₂ O ₃	max.	%	0.50
Free of any bond or binder				

Sieve Analysis:	> 2.36 mm	%	3 - 5
	2.36 – 1.70 mm	%	5 - 15
	1.70 – 0.71 mm	%	28 - 38
	0.71 – 0.15 mm	%	30 - 40
	0.15 – 0.045 mm	%	10 - 18
	< 0.045 mm	%	1 - 6

Thermal conductivity:

ISO8894-2

(Hot wire method)

W/(m·K)	@ 200°C	0.79
	@ 400°C	1.06
	@ 600°C	1.44
	@ 800°C	1.40
	@1000°C	1.43

Btu/(sq.ft.h°F/in)	@ 392°F	5.48
	@ 752°F	7.35
	@1112°F	9.99
	@1472°F	9.71
	@1832°F	9.92

Storage under dry conditions:	 months	12
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HS Tariff Number: 28492000
(Harmonized Commodity Description and Coding System)

Packing:

- In double plastic bags each containing 25 kilos
- 1 wooden crate/case contains 40 bags
packed into 1 big plastic bag = 1,000 kilos net per unit

* Gradings are also available upon customers' request.
sicapowder is ideal for filling the gaps and voids between the sidewall blocks and the steel shell of the pots.

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Producer:

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An ISO-9001, ISO-14001:2004 and OHSAS
18001:2007 certified company

