

# sicapowder<sup>®</sup>

Silicon Carbide Powder

A dry granular base powder

simonsen<sup>®</sup>

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**Packing Density:** ..... kg/m<sup>3</sup> 1800

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**Max. Service Temp.** ..... °C 1350

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**Chemical Analysis:**

SiC	..... min.	%	98.00
SiO <sub>2</sub>	..... max.	%	0.70
Si	..... max.	%	0.70
C	..... max.	%	0.24
Al <sub>2</sub> O <sub>3</sub> + Fe <sub>2</sub> O <sub>3</sub>	..... max.	%	0.50

Free of any bond or binder

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**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

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**Thermal conductivity:**

ISO8894-2

(Hot wire method)

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

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

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

