

## SILICON METAL POWDER

### GRADE AX 05, GRADE AX 10, GRADE AX 20

<b>Chemical Formula</b>	Si
<b>Chemical Name</b>	Silicon Metal
<b>Description of Product</b>	Purity more than 99.995% (C and O excluded)
<b>HS Number</b>	28046100
<b>Grades Available</b>	<b>Product Designation</b> SiMP Grade AX 05 SiMP Grade AX 10 SiMP Grade AX 20

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#### Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [µg/g])

	<b>Grade AX 05</b>	<b>Grade AX 10</b>	<b>Grade AX 20</b>
Si <sup>1)</sup>	min. 99.995 %	min. 99.995 %	min. 99.995 %
C	max. 0.2 %	max. 0.2 %	max. 0.15 %
O	max. 2.0 %	max. 1.5 %	max. 1.0 %
Fe	max. 0.001 %	max. 0.001 %	max. 0.001 %
Al	max. 0.001 %	max. 0.001 %	max. 0.001 %
Ca	max. 0.0005 %	max. 0.0005 %	max. 0.0005 %
Other <sup>2)</sup>	max. 0.0025 %	max. 0.0025 %	max. 0.0025 %

#### Physical Characteristics

Particle Size Distribution <sup>3)</sup>	Typical Values	Typical Values	Typical Values
D 90 %	7.5 µm	9.5 µm	15.0 µm
D 50 %	3.5 µm	4.5 µm	7.5 µm
D 10 %	0.8 µm	1.2 µm	1.5 µm

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1) Calculated as 100 % minus sum of specified impurities excluded C and O,

2) Sum total Co, Cr, Cu, K, Mg, Mn, Mo, Na, Ni, Ti, V, W, 3) MASTERSIZER by Laser Light Diffraction per ASTM B 822, deglomeration with high energy ultrasonic before analysis.

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Number	PD-4074
Issue	1-19.04.2017

<b>Packaging</b>	25 kg steel drums with polyethylene inlet.(60 Liter) 8 drums on one pallet CP1 (1000x1200 mm) = 1 Packaging-unit of 200 kg. Other packaging/quantity on request. <b>Lot Size</b> Höganäs silicon metal powders are available in homogeneous lots up to 5 tons.
<b>Storage and Handling</b>	Storage and handling are subject to the rules and regulations in the country of use. Store in a closed container.
<b>Hazards identification in Advertising (REGULATION (EC) No 1272/2008)</b>	None.
<b>Documentation</b>	An inspection document in accordance with EN 10204 is supplied with every shipment.

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