

## ZIRCONIUM CARBIDE GRADE A, GRADE B, GRADE AX

<b>Chemical Formula</b>	ZrC
<b>Chemical Name</b>	Zirconium Carbide
<b>HS Number</b>	28499090
<b>Grades Available</b>	<b>Product Designation</b> ZrC Grade A ZrC Grade B ZrC Grade AX <sup>e)</sup>

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### Chemical Characteristics

(Mass fraction in % [cg/g]; ppm [ $\mu$ g/g])

		<b>Grade A</b>	<b>Grade B</b>	<b>Grade AX</b>	
Zr + Hf	min.	87.8	87.4	87.9	%
Hf	max.	2.0	2.0	0.2	%
C <sub>total</sub>	min.	11.4	10.8	11.2	%
C <sub>bound</sub>	min.	11.0	9.5	10.8	%
C <sub>free</sub>	max.	0.4	1.5	0.4	%
Fe	max.	0.05	0.05	0.05	%
O	max.	0.6	0.6	0.6	%
N	max.	0.8	0.8	0.8	%

### Physical Characteristics

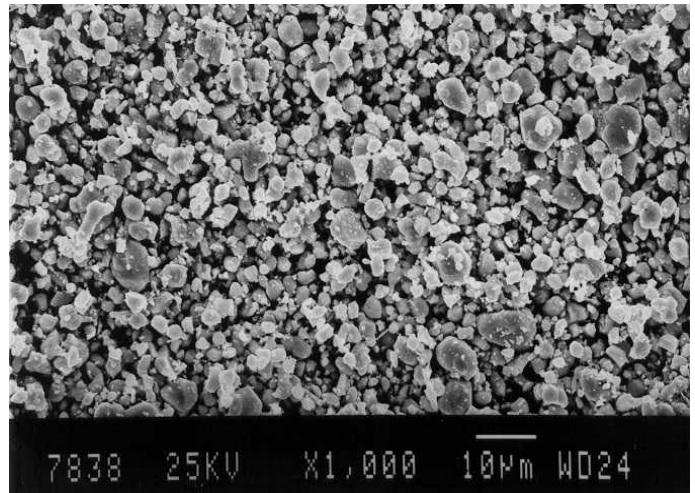
Particle Size Distribution <sup>1)</sup>

D 10 %	2 - 4	1 - 3	2 - 4 $\mu$ m
D 50 %	5 - 13	3 - 5	7 - 12 $\mu$ m
D 90 %	11 - 35	8 - 12	17 - 27 $\mu$ m

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1) MICROTRAC by Laser Light Diffraction per ASTM C 1070, 2) TRISTAR 3000 by BET (ASTM D 3663),  
e) This product is under export control.

SEM Photomicrograph<sup>2)</sup>  
scale see photograph,  
ZrC Grade B



## Packaging

50 kg steel drums with polyethylene inlet (30 l).  
8 drums on one pallet CP 1  
(1000 x 1200 mm) = 1 packaging unit of 400 kg.  
Other packaging / quantity on request.

### Lot Size

Höganäs Zirconium carbide powders are available  
in homogeneous lots up to 1.0 tons.

## Storage and Handling

Storage and handling are subject to the rules and regulations in the country of  
use. Store in a closed container.

## Hazards identification in Advertising (REGULATION (EC) No 1272/2008)

None.

## Documentation

An inspection document in accordance with EN 10204 is supplied with every  
shipment.

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