

ZIRCONIUM DIBORIDE GRADE A, B

Chemical Formula	ZrB ₂
Chemical Name	Zirconium Diboride
Description of Product	Grey powder
HS Number	28500090
Grades Available	Product Designation ZrB ₂ Grade A ZrB ₂ Grade B

Chemical Characteristics

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

	Grade A	Grade B
B	min. 18.5 %	min. 18.5 %
C	max. 0.2 %	max. 0.2 %
O	max. 1.0 %	max. 1.5 %
N	max. 0.25 %	max. 0.25 %
Fe	max. 0.1 %	max. 0.1 %
Hf	min. 0.2 %	min. 0.2 %

Physical Characteristics

Particle Size Distribution¹⁾

D 10 %	1.0 - 2.0 µm	0.5 - 1.0 µm
D 50 %	3.0 - 5.0 µm	1.5 - 3.0 µm
D 90 %	8.0 - 12.0 µm	4.0 - 6.0 µm

1) MICROTRAC by Laser Light Diffraction per ASTM C 1070.

Packaging	25 kg in 30 l steel drums with polyethylene inlet. 6 drums on one pallet CP 5 (760 x 1140 mm) = 1 packaging unit of 150 kg. Other packaging unit/quantity on request.
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 Article 48)	None.
Documentation	An inspection document in accordance with EN 10204 is supplied with every shipment.

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