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Product Data Sheet

CZ Zirconias

Description

- monoclinic zirconia powders with a high chemical purity
- particle sizes suitable for a large range of applications

Main applications

- ceramic colours
- thermal barriers
- optical glasses
- structural ceramics
- refractory applications

Typical chemical analysis (ppm)

	ZrO ₂ + HfO ₂ *	SiO ₂	Na ₂ O	TiO ₂	Fe ₂ O ₃	Al ₂ O ₃	Cl
CZ	> 99,9 %	50	20	10	20	20	500
CZ-P	> 99,9 %	50	20	10	20	20	150

* by difference

Particle size & specific surface area

	CZ-L	CZ-5	CZ-PL	CZ-P5
D90 (µm)	/	10	/	10
D50 (µm)	< 250	4	< 250	4
D10 (µm)	/	1	/	1
SSA (m ² /g)	/	6	/	3

Analytical method:

- specific surface area by B.E.T.
- particle size distribution by laser diffraction

Other particle sizes and SSA can be available upon request

Crystal structure

- 100% monoclinic

Packaging

- 25 kg moisture proof paper bags
- 25 kg plastic drums upon request
- big-bags