



# "GrayWolf" W.Szwaja

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## Product Data Sheet

### CZE Zirconias

#### Description

- monoclinic zirconia powders with a high chemical purity
- fine and reactive powders

#### Main applications

- electronic ceramics:
  - PZT
  - MLCC
- structural ceramics
- oxygen sensors

#### Typical chemical analysis (ppm)

ZrO <sub>2</sub> + HfO <sub>2</sub> *	SiO <sub>2</sub>	Na <sub>2</sub> O	CaO	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>
> 99,9 %	50	100	20	10	20	20

\* by difference

#### Particle size & specific surface area

	CZE-S1	CZE-M1	CZE-G1
SSA (m <sup>2</sup> /g)	6	15	25
D50 (µm)	0,4	0,4	0,4
D90 (µm)	< 1,5	< 1,5	< 1,5
D98 (µm)	< 5	< 5	< 5

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 plastic drums
- other packaging upon request