

# CS Zirconias

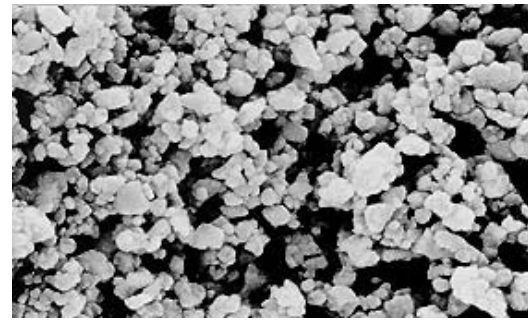
TECHNICAL DATA SHEET

- Monoclinic zirconium oxides.
- Ideally suited to the production of technical ceramics.
- Particle sizes adapted to different applications and processes.

## TYPICAL CHEMICAL ANALYSIS (%)

	ZrO <sub>2</sub> +HfO <sub>2</sub> *	SiO <sub>2</sub>	Na <sub>2</sub> O	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	Al <sub>2</sub> O <sub>3</sub>	CaO	H <sub>2</sub> O	L.O.I.
	(105°C) (105 - 1000°C)								
<b>CS10</b>	≥ 99.0	0.09	0.02	0.08	0.02	0.06	0.03	0.04	0.05
<b>CS05</b>	≥ 99.0	0.09	0.02	0.08	0.02	0.06	0.03	0.05	0.1
<b>CS02</b>	≥ 99.0	0.09	0.02	0.08	0.02	0.06	0.03	0.08	0.2
<b>CS01</b>	≥ 99.0	0.09	0.02	0.08	0.02	0.06	0.03	0.1	0.2

\* by difference



## PARTICLE SIZE & SPECIFIC SURFACE AREA

	CS10	CS05	CS02	CS01
D90 (µm)	8.0	3.6	1.6	1.2
D50 (µm)	3.5	1.7	0.8	0.6
D10 (µm)	1.0	0.6	0.3	0.3
SSA (m <sup>2</sup> /g)	1.7	3.0	5.0	6.5

Analytical method:

- Specific surface area by B.E.T.

- Particle size distribution by Sedigraph 5100

## MAIN APPLICATIONS

- Structural ceramics
- Wire-guides
- Electro-ceramics
- Specialty glasses

*Saint-Gobain ZirPro is the expert in zirconia-based materials for industrial applications. From our global network of manufacturing, commercial and research facilities, we serve leading customers through long-term and trust-based relationships.*

**CRYSTAL STRUCTURE** ————— 100% Monoclinic

**SAFETY DATA SHEET AVAILABLE**

## PACKAGING

25 kg moisture proof paper bags.

250 kg, 500 kg, 1 Mt big-bags.

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