

Zirconium Oxide CS10

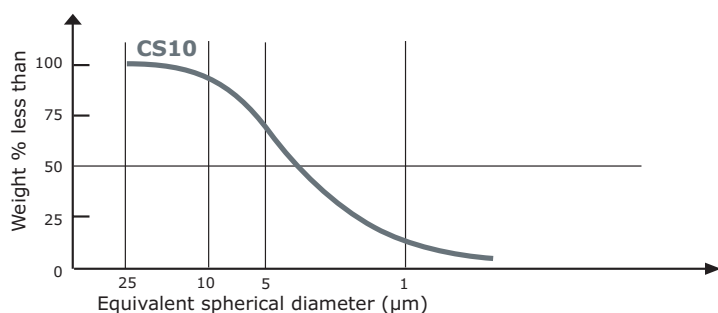
- A basic material for production of technical ceramics.
- A particle size adapted to different applications and processes.

TYPICAL CHEMICAL ANALYSIS

ZrO ₂ +HfO ₂ *	Al ₂ O ₃	SiO ₂	Na ₂ O	TiO ₂	Fe ₂ O ₃	CaO	MgO	H ₂ O (105°C)	L.O.I. (105°C - 1000°C)
≥ 99%	0.06%	0.09%	0.01%	0.08%	0.02%	0.02%	0.01%	0.09%	0.10%

* by difference

PARTICLE SIZE DISTRIBUTION



Analytical method: Sedigraph 5100

D10	1.0 µm
D50 (median diameter)	3.5 µm
D90	8.5 µm
Particles < 1 µm	12 %

Analytical method: Sedigraph 5100

CRYSTAL STRUCTURE _____ Monoclinic

PHYSICAL PROPERTIES

Specific gravity	5.7 g/cm ³
Tapped bulk density	2.3 g/cm ³
Loose bulk density	0.9 g/cm ³
Specific surface area	1.7 m ² /g

Method: B.E.T.

SPECIFICATION _____ DS SP ZT 14

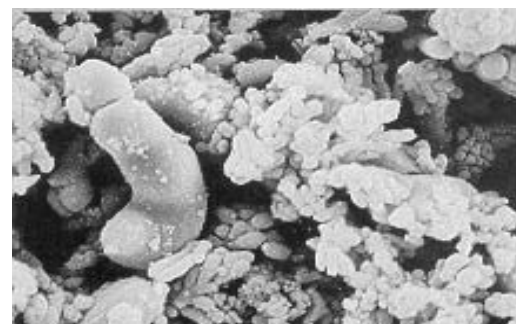
SAFETY DATA SHEET _____ DS MS ZT 14

PACKAGING

25 kg bag

500 kg big-bag

1 ton big-bag



MAIN APPLICATIONS

- Structural ceramics
- Mechanical parts
- Wire-guides
- Pump joints
- Electro-ceramics
- Special optical glasses

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