

Zirconium Oxide CS05

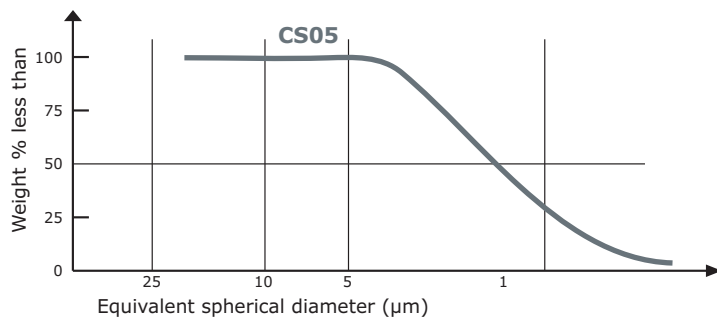
- A basic material for production of technical ceramics.
- A particle size adapted to different applications and processes.

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 (120°C)	L.O.I. (120°C - 1000°C)
≥ 99%	0.06%	0.09%	0.03%	0.08%	0.02%	0.03%	0.01%	0.20%	0.20%

* by difference

PARTICLE SIZE DISTRIBUTION



Analytical method: Sedigraph 5100

D10	0.6 µm
D50 (median diameter)	1.7 µm
D90	3.6 µm
Particles < 1 µm	25 %

Analytical method: Sedigraph 5100

CRYSTAL STRUCTURE _____ Monoclinic

PHYSICAL PROPERTIES

Specific gravity	5.75 g/cm ³
Loose bulk density	1.0 g/cm ³
Specific surface area	3.0 m ² /g

Method: B.E.T.

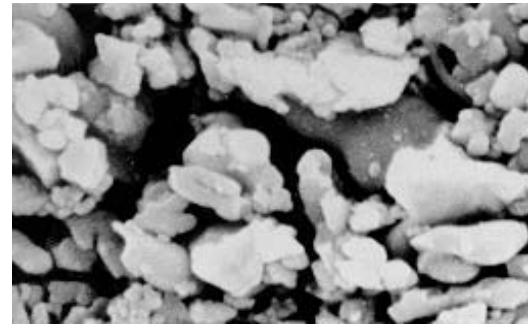
SAFETY DATA SHEET _____ DS MS ZT 26

PACKAGING

25 kg bag

500 kg big-bag

1 ton big-bag



MAIN APPLICATIONS

- Structural ceramics
- Mechanical parts
- Wire-guides
- Pump joints
- Electro-ceramics

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