

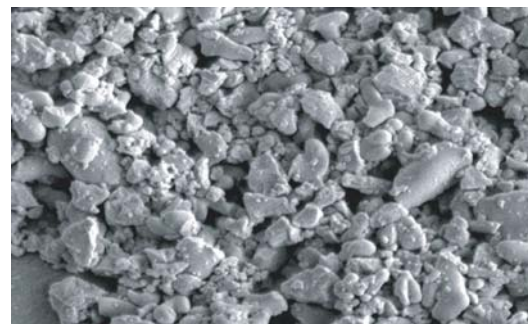
Zirconium Oxide CS02

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

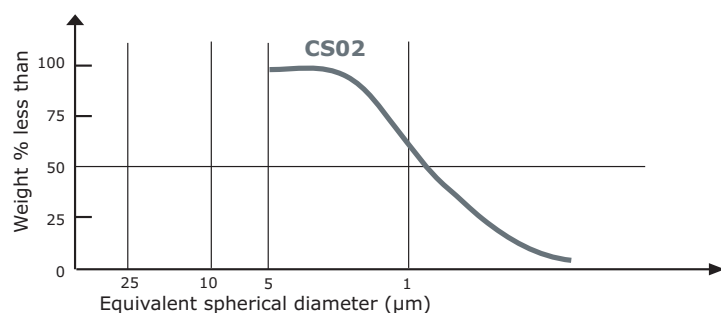
TYPICAL CHEMICAL ANALYSIS

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%	0.02%	0.08%	0.02%	0.02%	0.01%	0.05%	0.08%

* by difference



PARTICLE SIZE DISTRIBUTION



Analytical method: Sedigraph 5100

D10	0.3 µm
D50 (median diameter)	0.8 µm
D90	1.6 µm
Particles < 1 µm	65 %

Analytical method: Sedigraph 5100

CRYSTAL STRUCTURE _____ Monoclinic

PHYSICAL PROPERTIES

Specific gravity	5.7 g/cm ³
Tapped bulk density	2.1 g/cm ³
Loose bulk density	0.9 g/cm ³
Specific surface area	5 m ² /g

Method: B.E.T.

SAFETY DATA SHEET _____ DS MS ZT 12

PACKAGING

25 kg bag

500 kg big-bag

1 ton big-bag

MAIN APPLICATIONS

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

SEPR
ZirPro Department
B.P. 25 - 84131 Le Pontet Cedex
France

Tel.: +33 (0)4 90 39 99 14
Fax: +33 (0)4 90 39 99 98
e-mail : zirpro@saint-gobain.com

<http://www.zirpro.com>