

Zirconium Oxide CC10

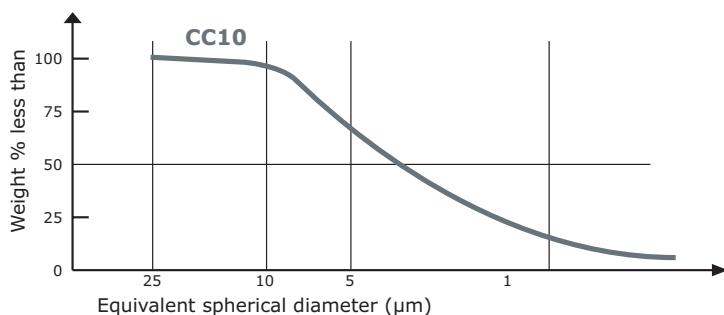
- A material with an outstanding constancy of its physical and chemical properties.
- Ideally suited to the production of ceramic pigments.

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)
98.80%	0.10%	0.50%	0.20%	0.10%	0.04%	0.03%	0.01%	0.10%	0.20%

* by difference

PARTICLE SIZE DISTRIBUTION



Analytical method: Sedigraph 5100

D50 (median diameter)	3.5 µm
Particles < 1 µm	11%

Analytical method: Sedigraph 5100

CRYSTAL STRUCTURE _____ Monoclinic

PHYSICAL PROPERTIES

Specific gravity	5.75 g/cm ³
Tapped bulk density	2.0 g/cm ³
Loose bulk density	1.0 g/cm ³
Specific surface area	2.7 m ² /g

Method: B.E.T.

SPECIFICATION _____ DS SP ZT 10

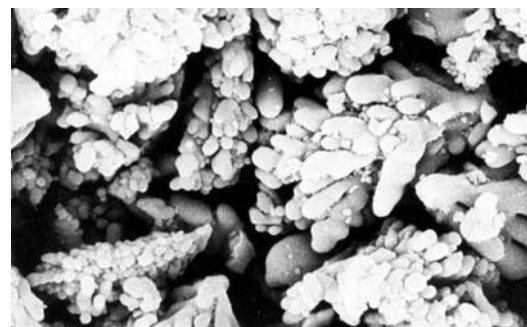
SAFETY DATA SHEET _____ DS MS ZT 11

PACKAGING

25 kg bag

500 kg big-bag

1 ton big-bag



MAIN APPLICATIONS

- Ceramic pigments and colours
- Thermal barriers
- Polishing agents
- Foundry coatings
- Foundry filters
- Specialty glasses

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