

✦ CS GRADES EXHIBIT SUPERIOR PURITY COMPARED TO CC GRADES

CS grades are obtained through the purification of CC thermal zirconia leading to powders with increased purity together with a better control of the specific surface area (SSA).

Similarly to CC grades, CS powders show zirconia particles with unique and uniform dendritic morphology offering higher reactivity than fused zirconia.

A large range of d50 and SSA is achievable:

- D50 from 3.5 μm to 0.6 μm
- Typical specific surface areas from 1.5 to 6.5 m^2/g

✦ TYPICAL PARTICLE SIZE & SPECIFIC SURFACE AREA

	Particle size ^a (μm)			Specific Surface Area ^b (m^2/g)
	D10	D50	D90	
CS10	1.0	3.5	8.0	1.0 – 2.5
CS05	0.6	1.4	2.9	2.0 – 3.5
CS02	0.4	0.8	1.4	4.0 – 5.5
CS01	0.3	0.6	1.2	5.7 – 7.0

^a : Sedigraph 5100 - ^b : B.E.T. measurement

⚙️ MAIN APPLICATIONS

- Material for electronics (PZT, MLCC)
- Magnesia-stabilized zirconia ceramics (MgPSZ), a ceramic composed of CS powders exhibits a yellow color
- Refractory parts (bricks, foundry filters, ...)



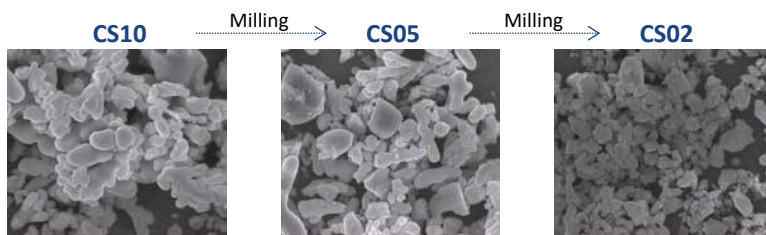
Medical application of PZT

🔬 TYPICAL CHEMICAL ANALYSIS

	Chemistry ^a (wt%)							L.O.I. ^c (wt%)
	SiO ₂	Na ₂ O	Al ₂ O ₃	TiO ₂	Fe ₂ O ₃	CaO	H ₂ O ^b	
CC10								
CC05								
CC02	0.08	0.02	0.08	0.06	0.02	0.02	0.10	0.20
CC01								

^a : I.C.P. - ^b : Loss weight at 105°C - ^c : Loss weight from 105°C to 1000°C

🔍 THE ROUNDISH GRAIN MORPHOLOGY IS CONSERVED AFTER MILLING



📦 PACKAGING

- 25kg moisture proof paper bags
- 500kg, 1MT big-bags

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