

Calcium Stabilized Zirconia

Description: Calcium-stabilized zirconia and calcium–yttria composite-stabilized zirconia are produced from different grades of zirconia raw materials. Available as hollow spheres and solid particles, their crystal phases consist of monoclinic and cubic zirconia. Applications include zirconia ceramic filters, sizing nozzles, slide gates, crucibles, nozzles, grinding wheels and ceramic structural components.

Chemical Composition (%)

Code	ZrO ₂ (%)	Al ₂ O ₃ (%)	SiO ₂ (%)	CaO (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)
CSZ-A	≥ 95	≤ 0.2	≤ 0.3	3.0–4.0	< 0.05	< 0.2
CSZ-B	≥ 94	≤ 0.2	≤ 0.4	2.5–4.0	< 0.1	< 0.2
CSZ	≥ 94	≤ 0.2	≤ 0.4	3.0–4.5	< 0.1	< 0.2
CSZ-C	≥ 95	≤ 0.1	≤ 0.2	3.0–4.5	< 0.1	< 0.1
FCSZ	≥ 91	≤ 0.2	≤ 0.4	7.0–7.8	< 0.1	< 0.2
CSZ-T	≥ 93	≤ 0.4	≤ 0.5	2.5–4.0	< 0.15	< 0.2

Physical Properties

Code	Stabilization Rate	True Density
CSZ-A	> 95%	> 5.6 g/cm ³
CSZ-B / CSZ-T	70–85%	> 5.7 g/cm ³
CSZ	75–85%	> 5.8 g/cm ³
CSZ-C	75–85%	> 5.8 g/cm ³
FCSZ	100%	> 5.9 g/cm ³

Product Information

Size	Available upon request.
Packing	25/50 kg bags in 1.00 MT bulk bags or on wrapped pallets.
Origin	Henan Province, China.