

Fused Monoclinic Zirconia

Description: Fused monoclinic zirconia is produced from zircon sand through electric fusion and desiliconization. Available as hollow spheres and solid particles, it provides high sintering strength and excellent thermal-shock resistance for high-temperature materials and tundish refractories. Applications include tundish nozzles, zirconia slide gates, powder-metallurgy nozzles, cast zirconia crucibles, ceramic foam filters, ceramic pigments, embedding sand for soft magnetic ferrites, zirconia welding electrodes, automotive brake pads and abrasives.

Chemical Composition (%)

Code	ZrO ₂ + HfO ₂ (%)	SiO ₂ (%)	Al ₂ O ₃ (%)	Fe ₂ O ₃ (%)	TiO ₂ (%)	Size (μm)
Z-31	≥ 98.5	≤ 0.60	≤ 0.40	≤ 0.04	≤ 0.20	12
Z-61	≥ 98.5	≤ 0.60	≤ 0.40	≤ 0.04	≤ 0.20	3
Z-91	≥ 99.0	≤ 0.20	≤ 0.30	≤ 0.04	≤ 0.20	Customizable
Z-99	≥ 99.0	≤ 0.15	≤ 0.10	≤ 0.04	≤ 0.15	Customizable

Product Information

Size	Available upon request.
Packing	25/50 kg bags in bulk bags or on wrapped pallets.
Origin	China.