

Fused Spinel

Description: Fused spinel is synthesized at high temperature in a three-phase electric arc furnace using industrial alumina, magnesia and controlled iron-oxide additions. It is primarily used in refractory bricks for the burning zones of cement rotary kilns and in other applications requiring resistance to thermal shock and basic slag.

Chemical Composition (%)

Parameter	AM-90	AM-80	AM-70
Al ₂ O ₃	88–92%	82–87%	71–76%
MgO	8–12%	12–17%	22–27%
CaO	≤ 0.4%	0.4%	0.6%
Fe ₂ O ₃	≤ 0.35%	0.35%	0.35%
SiO ₂	≤ 0.25%	0.4%	0.4%

Physical Properties

Parameter	AM-90	AM-80	AM-70
Real Density (g/cm ³)	≥ 3.3	≥ 3.3	≥ 3.3

Size & Granularity

Parameter	AM-90	AM-80	AM-70
Grain Size of Section Sand (mm)	0–1 / 1–3 / 3–5 / 5–8	0–1 / 1–3 / 3–5 / 5–8	0–1 / 1–3 / 3–5 / 5–8
Powder (mesh)	–180 / –200 / –320 mesh	–180 / –200 / –320 mesh	–180 / –200 / –320 mesh

Product Information

Size	0–1 / 1–3 / 3–6 mm; 6×14 / 14×30 mesh; –40 mesh; –200 / –300 mesh.
Packing	In 1.00 MT, 1.25 MT or 1.35 MT bulk bags; 25/50 kg bags in bulk bags or on wrapped pallets.
Origin	Liaoning Province, China.