

Fused Magnesite

Description: Fused magnesite is a dense periclase aggregate with a melting point of approximately 2800°C. It provides good thermal conductivity, resistance to basic slag, high cold-crushing strength and high refractoriness. The CaO/SiO₂ ratio is an important factor in refractory performance. Fused magnesite is widely used in EAF gunning and bottom-repair materials and in MgO–Cr₂O₃ and MgO–C refractory bricks for modern high-temperature industries.

Chemical & Physical Properties

Parameter	Req.	FM96	FM96	FM97	FM97	FM97.5	FM97.5	FM98	FM98	FM98.5	FM99
		1:1	2:1	1:1	2:1	2:1	LC	2:1	LC	2:1 LC	2:1 LC
MgO	≥	96.0	96.0	97.0	97.0	97.5	97.5	98.0	98.0	98.5	99.0
SiO ₂	≤	1.5	1.1	1.2	0.7	0.6	0.55	0.5	0.4	0.4	0.2
CaO	≤	2.5	2.2	1.5	1.4	1.2	1.1	1.2	1.0	1.0	0.5
Fe ₂ O ₃	≤	1.2	1.0	1.0	0.75	0.75	0.65	0.5	0.4	0.4	0.25
Al ₂ O ₃	≤	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1
LOI	≤	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.15
Bulk density (g/cm ³)	≥	3.40	3.40	3.45	3.45	3.50	3.50	3.50	3.50	3.50	3.50

Product Information

Size	0–1 / 1–3 / 3–6 / 3–8 / 3–15 mm; other sizes on request.
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.