

Rongsheng Magnesia Physical and Chemical Index Tables

1. Physical Properties of Burned Magnesia

Items	Unit	BM90	BM92	BM95	BM97
MgO	%	90	92	95	97
SiO ₂	%	5.0	4.8	2.0	0.7
CaO	%	2.5	2.0	1.4	1.4
Fe ₂ O ₃	%	1.5	1.5	1.0	0.75
Al ₂ O ₃	%	1.5	1.2	0.3	0.2
L.O.I	%	0.50	0.50	0.15	0.13
Bulk Density	g/cm ³	3.10	3.14	3.18	3.28
Grain Size	0-1mm,0.5-1mm,1-3mm,1-5mm,3-5mm,200mesh, 1-15mm,3-15mm,5-15mm,3-8mm,5-10mm				

2. Physical Properties of Fused magnesia

Items	Unit	FM95	FM96	FM97	FM98
MgO	%	95	96	97	98
SiO ₂	%	1.5	0.9	0.75	0.5
CaO	%	2.0	1.2	1.5	1.0
Fe ₂ O ₃	%	1.0	0.8	0.8	0.5
Al ₂ O ₃	%	0.6	0.2	0.2	0.15
L.O.I	%	0.3	0.2	0.2	0.1
Bulk Density	g/cm ³	3.40	3.45	3.47	3.50
Grain Size	0-1mm,1-3mm,3-5mm,200mesh,0-40mm,10-50mm,10-150mm				

3. Physical Properties of Large crystal fused magnesia

Items	Unit	LC98.5	LC98	LC97.5	LC97
MgO	%	98.5	98	97.5	97
SiO ₂	%	0.35	0.45	0.60	0.70
CaO	%	0.65	0.90	1.10	1.10
Fe ₂ O ₃	%	0.30	0.45	0.55	0.60
Al ₂ O ₃	%	0.06	0.08	0.15	0.25
L.O.I	%	0.06	0.08	0.10	0.10
Bulk Density	g/cm ³	3.52	3.50	3.46	3.46
Grain Size	0-1mm,1-3mm,3-5mm,200mesh,0-40mm,10-50mm,10-150mm				