

Chemical Composition (%)	ALFA TAB [®] 06 (Typical)	ALFA TAB [®] 30 (Typical)
Al ₂ O ₃	99.5	99.5
Fe ₂ O ₃	0.08	0.08
SiO ₂	0.04	0.04
Na ₂ O _(TOTAL)	0.04	0.30
CaO	0.02	0.02
Fe Magnetic ¹	≤0.025	≤0.025

¹ Also possible Fe Magnetic ≤ 0.007 – (LI)

Physical Characteristics		Typical	Min.	Max.
Bulk specific gravity	(g/cm ³)	3.55	3.5	
Apparent porosity	(%)	4		5
Water absorption	(%)	1.5		2.0

Standard grain sizes ²			
(mm)	(mesh)	(mm)	(mesh)
0 - 6	-1/4	CD Balls	/
0 - 3	-6	6 - 12	1/2 - 1/4
0 - 2	-8	3 - 6	3 - 6
0 - 1	-14	2 - 6	1/4 - 8
0 - 0.5/0.6	-28	2 - 3	6 - 8
0 - 0.3	-48	1 - 3	6 - 14
0 - 0.2	-100	1 - 2	8 - 14
0 - 0.045	-325	0.5/0.6 - 1	14 - 28
0 - 0.020	-635	0.3 - 0.6	28 - 48

² Other grain sizes are also possible.



SPINEL

MAGNESIUM ALUMINATE

Chemical Composition (%)	Spinel SP67 (Typical)	Spinel SP78 (Typical)	Spinel SP90 (Typical)
Al ₂ O ₃	67.0	78.0	90.0
MgO	32.0	21.4	9.4
Na ₂ O	0.17	0.12	0.12
SiO ₂	0.13	0.10	0.10
Fe ₂ O ₃ (TOTAL)	0.25	0.15	0.15
CaO	0.45	0.20	0.20

Physical Characteristics ¹		Minimum value	Maximum value
Bulk specific gravity	(g/cm ³)	3.2	
Apparent porosity	(%)	1.2	2.6
Water absorption	(%)		1.0

¹ For all three types of spinels.

Standard grain size ²			
(mm)	(mesh)	(mm)	(mesh)
3-6	3-6	0-0.5/0.6	-28
1-3	6-14	0-0.090	-170
0-1	-14	0-0.045	-325
0.5/0.6-1	14-28	0-0.020	-635

² Other grain sizes are also possible.

