

Advanced Alumina (AA)

Physical Properties and Impurities



grade	AA-03	AA-04	AA-05	AA-07	AA-1.5	AA-2	AA-3	AA-5	AA-10(*)	AA-18
Si [ppm]	5	4	3	3	4	12	18	16	17	15
Fe [ppm]	4	4	4	4	3	2	3	2	2	5
Na [ppm]	5	5	5	5	5	5	5	5	5	2
Mg [ppm]	1	1	1	1	1	1	1	1	1	1
Cu [ppm]	1	1	1	1	1	1	1	1	1	1
Al ₂ O ₃ [%]	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99	≥ 99.99
D50 [μ m]	0.44	0.50	0.53	0.83	1.6	2.1	3.4	5.4	13.5	20.3
BET [m ² /g]	5.2	4.1	3.2	2.2	1.1	0.9	0.5	0.3	0.2	0.1
Loose BD [g/cm ³]	0.5	0.5	0.6	0.6	0.6	0.6	0.7	1.1	1.9	2.0
Tapped BD [g/cm ³]	0.9	1.0	1.1	1.2	1.2	1.5	1.5	1.9	2.3	2.4

(*)AA-10 is under development as of January 2018.

Advanced Alumina (AA) Particle Size Distribution

