



Calcined Alumina (Ground)

Typical Chemical Composition

Properties	AC-2 -325	AC-2 -325SG	AC-12 -325	AC-12 -325SG	AC-13 -325
Al ₂ O ₃ , %	99.5	99.5	99.6	99.6	99.2
SiO ₂ , %	0.02	0.02	0.02	0.02	0.02
Fe ₂ O ₃ , %	0.02	0.02	0.02	0.02	0.02
Na ₂ O, %	0.45	0.45	< 0.25	< 0.25	0.2
*L.O.I., % * 300-1200°C	0.14	0.14	0.14	0.14	0.3

Typical Physical Properties

Ultimate Crystal Size, μm	3	3	3	3	< 1
Surface Area, m ² /g	0.8	0.95	0.8	0.95	10- 14
Specific Gravity	3.7	3.9	3.9	9	3.9
Bulk Density, Loose, lb/ft ³	32	32	34		24
Bulk Density, Packed, lb/ft ³	42	42	44		30

Typical Tyler Standard Sieve Analysis

% on 100 mesh	0	0	0	0	0
% on 200 mesh	0.5	0.5	0.5	0.5	2
% on 325 mesh	4	2	4	2	8
% pass 325 mesh	96	98	96	98	92
Median Particle Size by Microtrac, μm	6	5	6	5	3

Chemical Formula	Al ₂ O ₃
Specific Gravity	3.7 – 3.9
Melting Temperature	2040° C
Refractive Index	1.76
Mohs' Hardness	9
Appearance	White Crystalline Powder

