

Alumina Ceramic – 99.65 % Crushable

Mechanical, Thermal and Physical Properties

Material Grade 99.65% Crushable Alumina Oxide (S-669)
ASTM: E1625-15

Chemical Analysis

AL ₂ O ₃ , %	99.65 min
SiO ₂ , %	0.08 max
CaO, %	0.08 max
Fe ₂ O ₃ , %	0.04 max
MgO, %	0.08 max

Mechanical Properties

Porosity, %	MIN 17
Bulk Density, gm/cc	2.20
Flexural Strength, psi	5,000-25,000
Compressive Strength, psi	7,000-30,000

Thermal Properties

Thermal Expansion 25 ^o -700 ^o inch/inch/ ^o CX10 ⁻⁶	7.8
Max Operating Temp., ^o C	