

Al₂O₃ 92.0% Typical Physical Properties

Physical Property	Units	Typical Value
Color		White
Density	g/cc	3.60
Hardness (Rockwell 45N)	R45N	78
Elastic Modulus	GPa	276
Flexural Strength (3 Pt Bend)	MPa	338
Tensile Strength	MPa	221
Compressive Strength	MPa	2482
Fracture Toughness	MPa-m ^{-1/2}	3-4
Poisson's Ratio	-	0.21
Coefficient of Thermal Expansion 25 - 1000°C	1 x 10 ⁻⁶ /°C	6.1
Thermal Conductivity	W/mK	16

All properties are at room temperature (20°C) unless otherwise stated.