

99% Alumina Ceramic Material Properties-SU0003

Properties	Unit	Value
Purity	%	≥99
Volume Density	g/cm ³	≥3.80
Hardness (HRA)	HRA	≥88
Flexural strength	MPa	≥300
Peak temperature	°C	1,500.00
PressurtightnessTest	-	Pass
Thermal Shock Test	-	Pass
Coefficient of Linear Expansion	×10 ⁻⁶ /°C	8.00
Dielectric Constant	εr 20°C, 1MHz	9.50
Dielectric Loss	tanδ×10 ⁻⁴ , 1MHz	2.00
Volume Resistivity	Ω·cm 20°C	10 ¹⁴
Disruptive Strength	KV/mm, DC	≥20
Acid Resistance	mg/cm ²	≤3.0
Alkali Resistance	mg/cm ²	≤0.1
Abrasive Resistance	g/cm ²	≤0.1
Compressive Strength	MPa	≥2500
Breaking Strength	MPa	≥230
Elasticity Modulus	GPa	300.00
Poisson's Ratio	-	0.20
Thermal Conductivity	W/m·K (20°C)	26.00

Remark: The value is just for review, different using conditions will have a little difference.

Xiamen Innovacera Advanced Materials Co.,Ltd

 Block A, 6/F, No.588 Jiahe Road, Torch High-tech Industrial District, Xiamen, China 361006.
 0086 592 558 9730
  0086 592 558 9733
  sales@innovacera.com
  www.innovacera.com