


99.3 Alumina Ceramic Material Properties - SU0004


Properties	Unit	Value
Main Composition	%	Al ₂ O ₃ ≥99.3
Density	g/cm ³	3.88
Water Absorption	%	0.01
Flexural Strength (20°C)	MPa	350.00
Leak (20°C)	Torr/L.scc	<10 ⁻¹¹
Thermal Conductivity (20°C)	W/(m.k)	25.00
Maximum Use Temperature	°C	1800
Thermal Expansion Coefficient (20-1000°C)	10 ⁻⁶ /°C.m	8.20
Electrical Insulation Strength	KV/mm	20.00
Volume Resistivity (20°C)	Ω.cm	10 ¹⁴


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

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