

A997/LF Alumina	A999 Alumina	A95 Alumina	ZTA Mixed oxide	ZR02 Zirconium oxide	MG-PSZ Zirconium oxide	ZR02J Zirconium oxide	SI3N4 Silicon nitride	C221 Steatite
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PRODUCT DESCRIPTION

SI3N4 Silicon nitride

Material	Si ₃ N ₄
Colour	gray, black
Density	3,2 g/cm ³
Flexural Strength	750 MPa
Compressive Strength	2.500 MPa
Modulus of Elasticity (young)	320 GPa
Impact Resistance	6,7 MPa m ^{1/2}
Weibull Modulus	158 m
Vickers Hardness	1.650 HV 0.5
Thermal Exoansion Coefficient	3,4 10 ⁻⁶ K ⁻¹
Thermal Conductivity	22 W/mK
Thermal Shock Resistance	750 ΔT °C
Maximum Use Temperature	1.300 °C



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