

TECHNICAL DATA SHEET

CERALVOR

Material	$\text{Al}_2\text{O}_3 \cdot \text{SiO}_2$
Colour	white
Density	2,48 g/cm ³
Flexural Strength	90 MPa
Compressive Strength	500 MPa
Modulus of Elasticity (young)	65 GPa
Mohs Hardness	4 - 5
Thermal Expansion Coefficient	7.2 10^{-6} K^{-1}
Thermal Conductivity	1.46 W/mK
Maximum Use Temperature	750 °C
Volume Resistivity at 20°C	$10^{16} \Omega \cdot \text{cm}$
Dielectric Strength (t=1)	40 kV/mm
Dielectric Constant	6 - 7 ϵ_r
Helium Leak Rate	10^{-10} ml/s



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