





ICE ZIRKON TRANSLUCENT


ZrO ₂	Specifications	
Y ₂ O ₃	4 – 6 %	
Al ₂ O ₃	< 1 %	
SiO ₂	max. 0.02 %	
Fe ₂ O ₃	max. 0.01 %	
Na ₂ O	max. 0.04 %	
Density (g/cm ³)	~ 6,0 g/cm ³	
Flexural strength	1200 – 1400 MPa	
Hardness (HV10)	1250 HV10	
Weibull-modulus	~ 15	
CTE (coefficient of thermal expansion)	~ 10,0 * 10 ⁻⁶ K ⁻¹	


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SiO ₂	max. 0.02 %	
Fe ₂ O ₃	max. 0.01 %	
Na ₂ O	max. 0.04 %	
Density (lb/in ³)	~ 0.22 lb/in ³	
Flexural strength	175-200 kpsi	
Hardness (HV10)	1250 HV10	
Weibull-modulus	~ 15	
CTE (coefficient of thermal expansion)	~ 5.5 µin/(in°F)	

ZrO ₂	Hauptbestandteil	
Y ₂ O ₃	4 – 6 %	
Al ₂ O ₃	< 1 %	
SiO ₂	max. 0.02 %	
Fe ₂ O ₃	max. 0.01 %	
Na ₂ O	max. 0.04 %	
Dichte	~ 6,0 g/cm ³	
Biegefestigkeit (bei R.T.)	1200 – 1400 MPa	
Vickershärte	1250 HV10	
Weibull-Modul	~ 15	
WAK (Wärmeausdehnungskoeffizient)	~ 10,0 * 10 ⁻⁶ K ⁻¹	

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ZrO ₂	Componente principale	
Y ₂ O ₃	4 – 6 %	
Al ₂ O ₃	< 1 %	
SiO ₂	max. 0.02 %	
Fe ₂ O ₃	max. 0.01 %	
Na ₂ O	max. 0.04 %	
Densità (g/cm ³)	~ 6,0 g/cm ³	
Resistenza alla flessione	1200 – 1400 MPa	
Durezza (HV10)	1250 HV10	
Modulo Weibull	~ 15	
CET (Coefficiente espansione termica)	~ 10,0 * 10 ⁻⁶ K ⁻¹	

ZrO ₂	Componente principal	
Y ₂ O ₃	4 – 6 %	
Al ₂ O ₃	< 1 %	
SiO ₂	max. 0.02 %	
Fe ₂ O ₃	max. 0.01 %	
Na ₂ O	max. 0.04 %	
Densidad	~ 6,0 g/cm ³	
Resistencia a la flexión	1200 – 1400 MPa	
Dureza (HV10)	1250 HV10	
Resistencia al agrietamiento	~ 15	
Coefficiente de dilatación térmica	~ 10,0 * 10 ⁻⁶ K ⁻¹	

ZrO ₂	Composant principal	
Y ₂ O ₃	4 – 6 %	
Al ₂ O ₃	< 1 %	
SiO ₂	max. 0.02 %	
Fe ₂ O ₃	max. 0.01 %	
Na ₂ O	max. 0.04 %	
Densité (g/cm ³)	~ 6,0 g/cm ³	
Résistance à la flexion	1200 – 1400 MPa	
Dureté (HV10)	1250 HV10	
Module de Weibull	~ 15	
Coefficient de dilatation thermique	~ 10,0 * 10 ⁻⁶ K ⁻¹	