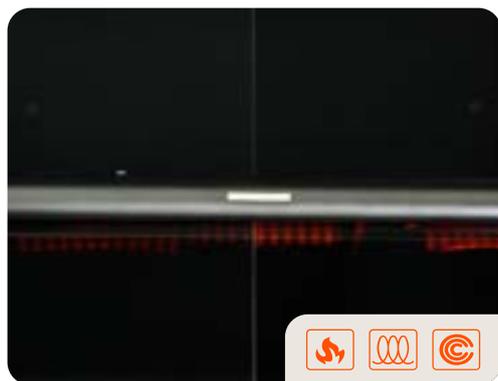


KeraBlack® Ultra



Deep dark glass with an adapted formula designed to meet the aesthetic requirements of the market by making electronic components less visible.

Standards

KeraBlack® Ultra meets the mechanical specifications defined by European and US standards EN 60335-1, EN 60335-2-6 and UL858.



eurokera

NOTE: Technical specifications are available upon request.

www.eurokera.com



Superior ability to soften the visibility of the **electronic components beneath**.



Deep black color within the glass-ceramic material itself, delivering **enhanced visual aesthetics**.



Smooth, uninterrupted black surface **without the need for an additional black opacifying layer**.

GLASS-CERAMIC PROPERTIES	UNITS	VALUE
Mechanical		
Density	g/cm ³	2.54
Young's Modulus E	GPa	92
Torsion Modulus G	GPa	36
Poisson's Ratio		0.26
Knoop Hardness		600
Minimum mechanical bending strength	MPa	150
Minimum static load resistance (600 x 500mm - Thickness 4mm)	kg	100
Impact resistance : Norwegian Hammer EN60335-1 Pot drop EN60335-2-6 Ball drop/Pan drop UL 858		Pass
Thermal		
CTE (20-700°C)	10 ⁻⁷ .K ⁻¹	0 ± 1
Specific Heat (20-100°C)	J/g.K	0.9
Resistance to thermal gradients - thermal shock	°C	ΔTmax = 700
Optical		
Visible light transmission TLD65	%	0.6
Electrical		
Electrical resistivity log n at 250°C	Ω.cm	6.8
Electrical resistivity log n at 350°C	Ω.cm	5.4
Dielectric constant (1MHz, 25°C)		7.9
Loss tangent factor (1MHz, 25°C)		0.02
Chemical		
Hydrolitic resistance DIN 12111		HGB1
Acid resistance DIN 12116		Class 3
Alkali resistance DIN 52322		A1
Sustainability		
Recyclable	Arsenic Free	Water-friendly enamels

All data are based on typical values and are not intended as specifications.