

KeraBlack® Plus



- > EuroKera KeraBlack® Plus has been engineered to comply with the requirements of the market for cooktops.
- > All current heating methods (radiant, halogen, gas burners, induction...) can be used with KeraBlack® Plus.
- > The environmentally friendly manufacturing process of KeraBlack® Plus eliminates the use of heavy metals such as arsenic or antimony.

Specifications

The physical and chemical characteristics of KeraBlack® Plus are in accordance to relevant EN, ISO, NF or DIN standards, when available, and otherwise according to our company specifications (SPC-EU/ST12). In particular, KeraBlack® Plus meets the mechanical specifications defined in European standards EN 60335-1 and EN 60335-2-6.

This product is available with or without bottom surface texture (pebbles).



NOTE: Information in this document reflect standard specification. Do not hesitate to consult us for any special request.

GLASS-CERAMIC PROPERTIES		UNITS	VALUE
Mechanical	Density	g/cm ³	2.55
	Young's Modulus E	GPa	92
	Torsion Modulus G	GPa	36
	Poisson's Ratio		0.26
	Minimum mechanical bending strength	MPa	150
	Knoop Hardness		600
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	°C	ΔTmax = 700
	Thermal Shock Resistance	°C	ΔTmax = 700
	The performances of the EuroKera glass-ceramic are not modified after an exposure of:		
Optical	Colour in reflection		black
	Colour in transmission		amber
	IR Transmission at 1100 nm		69%
	IR Transmission at 2400 nm		80%
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 factor tan (1MHz, 25°C)		0.02
Chemical	Hydrolitic resistance DIN12111		HGB1
	Acid resistance DIN12116		Class 3
	Alkali resistance DIN52322		A1