KeraWhite®

EUROKERA *KeraWhite®* 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 EUROKERA panels.

Specification*

The physical and chemical characteristics of *KeraWhite®* are in accordance to relevant EN, ISO, NF or DIN standards, when available, and otherwise according to our company specifications (SPC-EU/ST02). In particular, *KeraWhite®* 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).

	PROPERTIES	UNITS	VALUES
MECHANICAL	Density	g/cm^3	2,51
	Young Modulus E	GPa	84
	Torsion Modulus G	GPa	34
	Poisson Coefficient		0,26
	Minimum mechanical bending strength	MPa	110
	Knoop Hardness		658
THERMAL	CTE (20-700°C)	$10^{-7}.K^{-1}$	10 ± 1
	Specific Heat (20-100°C)	J/g.K	0,9
	Resistance to Thermal gradients	°C	ΔT_{max} = 650
	Resistance to Thermal shock	°C	ΔT_{max} = 650

	PROPERTIES	UNITS	VALUES
OPTICAL	IR Transmission		
	at 1100 nm		47%
	at 2400 nm		82%
ELECTRICAL	Electrical resistance		
	log n at 250°C	Ohm.cm	7,4
	log n at 350°C	Ohm.cm	6,0
	Dielectric constant (1MHz, 25°C)		6,5
	Loss factor tan (1MHz, 25°C)		0,003
CHEMICAL	Hydrolitic resistance DIN12111 class HGB		1
	Acid resistance DIN12116 class		2
	Alkali resistance DIN52322 class		2

(*) Information in this document reflect standard specification. Do not hesitate to consult us for any special request.

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EuroKera
Innovation Workshop