

# KeraWhite® TC



EUROKERA *KeraWhite® TC* 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® TC* are in accordance to relevant EN, ISO, NF or DIN standards, when available, and otherwise according to our company specifications (SPC-EU/ST04). In particular, *KeraWhite® TC* 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).

A masking resin is used on the bottom side of *KeraWhite® TC*, except in the areas of displays and in the heating zones for radiant applications. Two colors are available: *Pistachio* and *Grey*, for a slightly different resulting white tone on the finished product:

Pistachio  
7667

Grey  
7643

	PROPERTIES	UNITS	VALUES
MECHANICAL	Density	g/cm <sup>3</sup>	2,51
	Young Modulus E	GPa	85
	Torsion Modulus G	GPa	34
	Poisson Coefficient		0,25
	Minimum mechanical bending strength	MPa	110
	Knoop Hardness		625
THERMAL	CTE (20-700°C)	10 <sup>-7</sup> .K <sup>-1</sup>	10 ± 1
	Specific Heat (20-100°C)	J/g.K	0,9
	Resistance to Thermal gradients	°C	ΔT <sub>max</sub> = 650
	Resistance to Thermal shock	°C	ΔT <sub>max</sub> = 650

	PROPERTIES	UNITS	Values
OPTICAL	IR Transmission		
	at 1100 nm		70%
	at 2400 nm		83%
ELECTRICAL	Electrical resistance		
	log n at 250°C	Ohm.cm	7,2
	log n at 350°C	Ohm.cm	5,7
	Dielectric constant (1MHz, 25°C)		6,4
	Loss factor tan (1MHz, 25°C)		0,004
CHEMICAL	Hydrolitic resistance DIN12111 class HGB		1
	Acid resistance DIN12116 class		2
	Alkali resistance DIN52322 class		2



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