KeraResin®



- EuroKera KeraResin[®], specially developed for induction or gas appliances, offers trendy colors on a clear and smooth glass ceramic.
- Transparent and smooth glass allows larger choices of displays than ever (compatible with all colored displays and LCD screens).
- > Use decoration both on top and bottom of glass for a depth effect.
- > Easy to clean and maintain.

Specifications



The color samples presented in this document are for representational purpose only. Refer to

NOTE: Information in this document reflect

standard specification. Do not hesitate to

consult us for any special request.

real samples for more accuracy.

EURC

Layer(s) of Enamel for top pattern (mandatory) and optionally for decoration of heating and control zones. Various design and colors are possible.

Transparent glass ceramic

Optional layer of Resin for decoration

 Layer of Opaque Resin to give general color (see available colors below)

Optional layer of Semi-opaque Resin for displays

Protective layer of Black Paint 1670 (to improve scratch resistance and silicone gluing)

-	Mechanical	Density	g/cm³	2.54
		Young's Modulus E	GPa	91
		Torsion Modulus G	GPa	37
		Poisson's Ratio		0.24
		Minimum mechanical bending strength	MPa	110
		Knoop Hardness		600
	Thermal	CTE (20-700°C)	10 ⁻⁷ .K ⁻¹	0 ± 3
		Specific Heat (20-100°C)	J/g.K	0.9
		Resistance to Thermal gradients	°C	∆Tmax = 700
		Resistance to Thermal shock	°C	∆Tmax = 700
	Electrical	Electrical resistivity log n at 250°C	Ω.cm	6.9
		Electrical resistivity log n at 350°C	Ω.cm	5.5
		Dielectric constant (1MHz, 25°C)		7.5
		Loss factor tan (1MHz, 25°C)		0.017
	Chemical	Hydrolitic resistance ISO719		HGB1
		Acid resistance DIN12116		Class 1
		Alkali resistance ISO695		A1

* Resin layers are designed to withstand a stabilized temperature of 350°C at the bottom surface hottest location and a peak temperature of 400°C at the bottom surface hottest location.

Available Colors:

(opaque resin – layers n°3 and n°4 / semi-opaque resin – layer n°5)

Champagne	Silver	Slate Grey	Anthracite
7643	7674	7661	7662
Semi-Opaque			Semi-Opaque

Semi-Opaque SO Champagne 7649

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SO Anthracite 7665