

# Onyka® Essential

ONYKA



Elegance with a **soft** matte finish: **gloss level below 10%**, in contrast to the 90% gloss of our standard black glass-ceramic surface.



Improved **scratch resistance\***: up to **5 times fewer** visible scratches than our standard glass-ceramic surface.



Enjoyable cooking experience: enhanced **resistance to fingerprints**, compared to our standard glass-ceramic surface.

**Soft black matte cooking surface that blends performance and aesthetics with contemporary kitchen trends.**

## Standards

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

\*The **scratch-resistance** performance of the **Onyka® Collection has been tested and verified by TÜV SÜD**, an independent German Company, using EuroKera's internal methods.

All comparisons are made with a standard glossy glass-ceramic cooking surface, such as EuroKera's KeraBlack®.



**eurokera**

**NOTE:** Technical specifications are available upon request.

[www.eurokera.com](http://www.eurokera.com)

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GLASS-CERAMIC PROPERTIES	UNITS	VALUE
<b>Mechanical</b>		
Density	g/cm <sup>3</sup>	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
<b>Thermal</b>		
CTE (20-700°C)	10 <sup>-7</sup> .K <sup>-1</sup>	0 ± 1
Specific Heat (20-100°C)	J/g.K	0.9
Resistance to thermal gradients - thermal shock	°C	ΔTmax = 700
<b>Electrical</b>		
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
<b>Chemical</b>		
Hydrolitic resistance DIN 12111		HGB1
Acid resistance DIN 12116		Class 3
Alkali resistance DIN 52322		A1
<b>Surface Aspect</b>		
Roughness Ra	µm	2.5
Gloss (B60)	u.a.	6.5
<b>Sustainability</b>		
Recyclable	Arsenic-free process	Water-washable enamels*

\*Washable with water during the finishing process.

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