

UPCERA

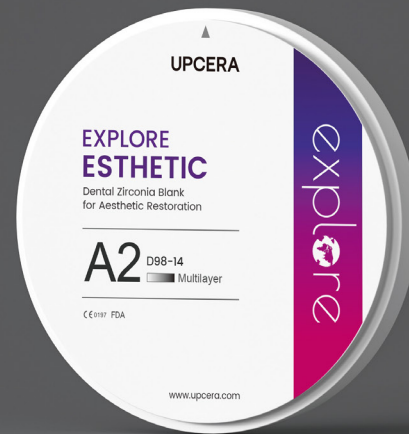


EXPLORE ESTHETIC

Reliable Materials Expert

Explore Esthetic

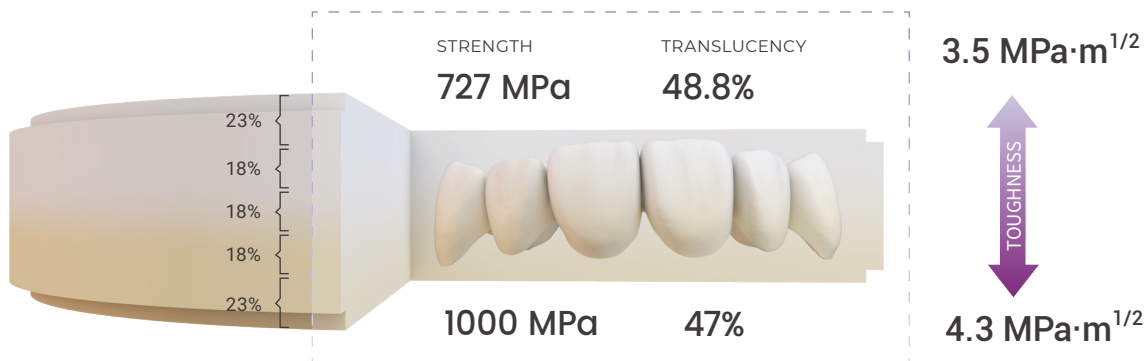
Explore Esthetic is a kind of multilayer zirconia with gradient strength. Its translucency is higher, so it is better suitable for anterior restorations with higher esthetic requirements.



System Available



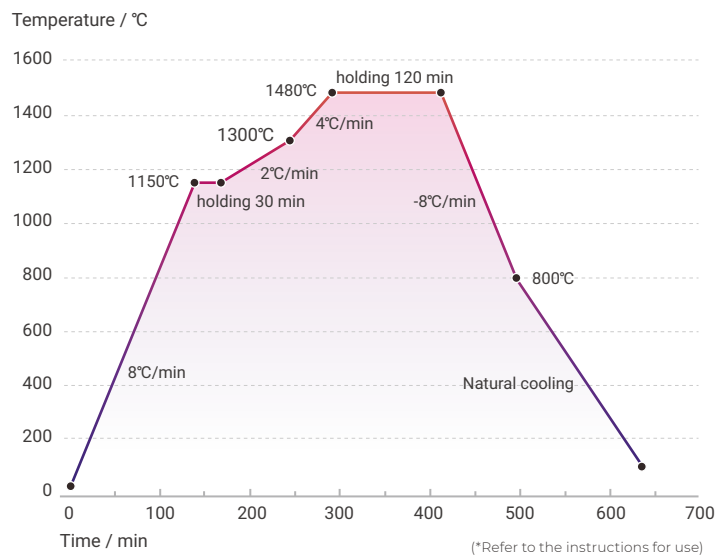
Open CAD/CAM System, Zirkonzahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System



Shades



Sintering program





Physical Characteristics

Density after sintering	$\geq 6.0 \text{ g/cm}^3$
CTE*(25-500°C)	$(10.5 \pm 0.5) \times 10^{-6} \text{ K}^{-1}$
Accelerated aging surface monoclinic phase content	$< 5\%$
Chemical solubility after sintering	$< 100 \mu\text{g/cm}^2$
Radioactivity	$\leq 1.0 \text{ Bq/g}$
Sintering temperature	1480°C

Chemical Composition

$\text{ZrO}_2 + \text{HfO}_2$	86.3-94.2%
Y_2O_3	5.8%-9.7%
Al_2O_3	$< 0.5\%$
Fe_2O_3	$< 0.5\%$
Er_2O_3	$< 2.0\%$
Others oxides	$< 0.5\%$

*Linear thermal expansion