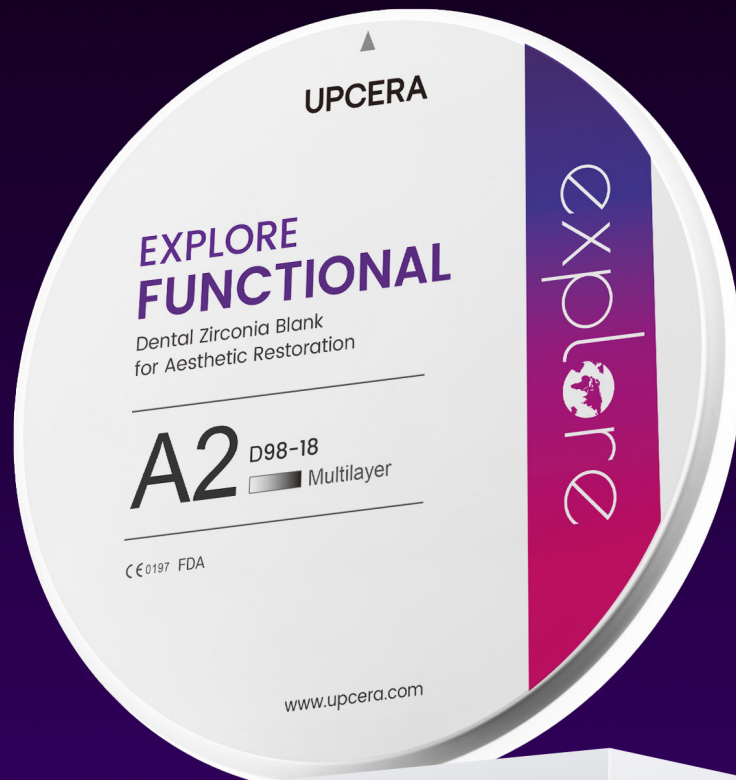


UPCERA



EXPLORE FUNCTIONAL

Reliable Materials Expert

Explore Functional

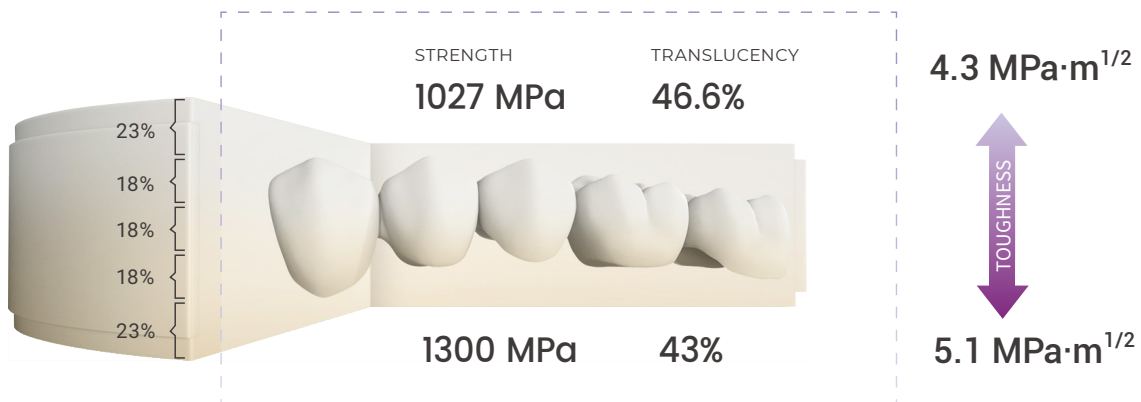
Explore Functional is a kind of zirconia with gradient translucency and strength. Due to the simple operation and natural-tooth aesthetic effects, it is a good choice for posterior restorations and suitable for chair-side restoration.



System Available



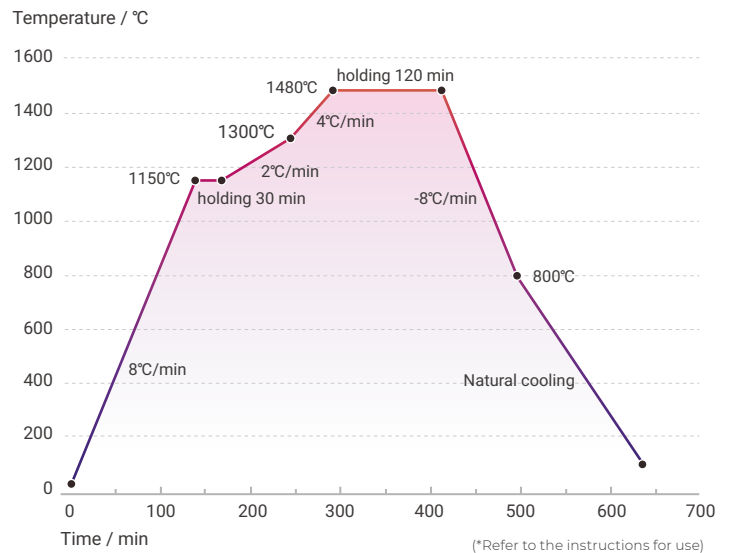
Open CAD/CAM System, Zirkozahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System



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

ZrO ₂ + HfO ₂	86.3-94.2%
Y ₂ O ₃	5 %-9.7%
Al ₂ O ₃	:0.5%
Fe ₂ O ₃	:0.5%
Er ₂ O ₃	<2.0%
Others oxides	<0.5%

*Linear thermal expansion