

UPCERA



TT MULTILAYER ZIRCONIA

Reliable Materials Expert

TT Multilayer

TT multilayer zirconia is gradient and pre-shaded, available in 16 VITA classical shades. It offers excellent aesthetics with no porcelain required.



Strength
600 MPa

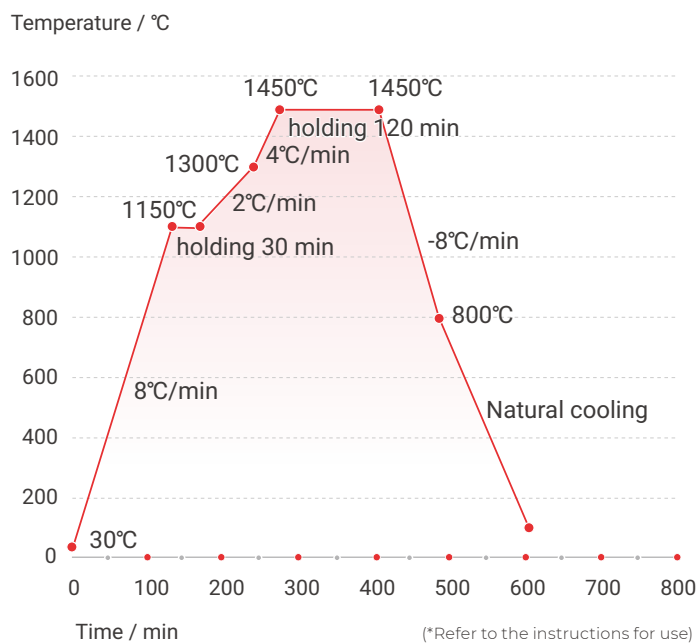
Optimum Indications

- Full contour crown
- Anterior and posterior bridge (3 units)

Shades



Sintering program



Apply for



Open CAD/CAM System,
Zirkonzahn CAD/CAM System,
Amann Girrbach CAD/CAM System,



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	<0.1 Bq/g
Sintering temperature	1450°C

Chemical Composition

$\text{ZrO}_2 + \text{HfO}_2 + \text{Y}_2\text{O}_3$	>96.5%
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%

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