



Reliable Materials Expert



# ST PRE-SHADED ZIRCONIA

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New Generation Materials

# ST Pre-shaded



Strength

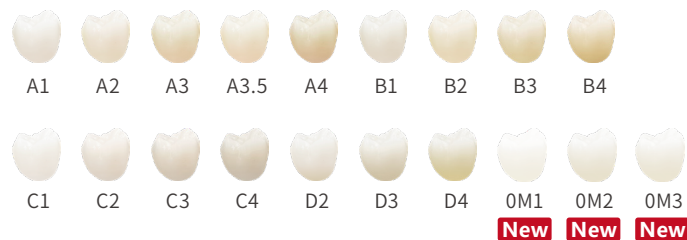
**1300Mpa**

Indications

**Full contour crown  
and bridge**

- Natural chroma
- Optimal stability and outstanding anti-aging performance

## Shades



## Physical Characteristics

Density after sintering	$6.08 \pm 0.01 \text{g/cm}^3$
CTE(25-500°C)	$(10.5 \pm 0.5) \times 10^{-6} \text{K}^{-1}$
Accelerated aging surface monoclinic phase content	<15%
Chemical solubility after sintering	<100 $\mu\text{g/cm}^2$
Radioactivity	<0.1Bq/g
Sintering temperature	1530°C

## Chemical Composition

ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	>97%
Y <sub>2</sub> O <sub>3</sub>	4.4%-5.5%
Al <sub>2</sub> O <sub>3</sub>	<0.5%
Fe <sub>2</sub> O <sub>3</sub>	<0.3%
Er <sub>2</sub> O <sub>3</sub>	<1.0%
Others oxides	<1.2%