



Reliable Materials Expert



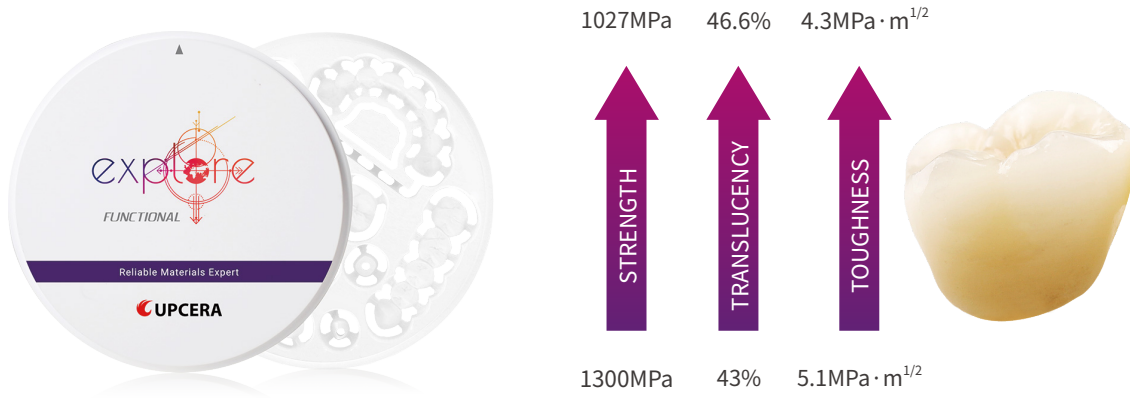
# EXPLORE

## FUNCTIONAL

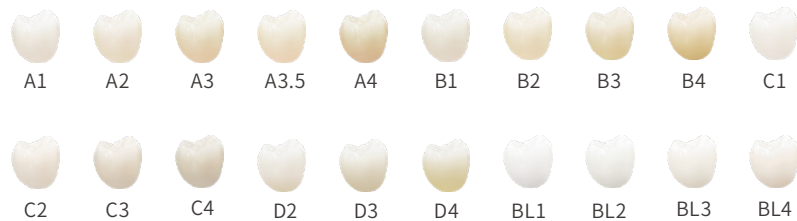
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New Generation Multilayer

# Explore Functional



## Shades



## Physical Characteristics

Density after sintering	≥6.0g/cm <sup>3</sup>
CTE(25-500°C)	(10.5±1.0)×10 <sup>-6</sup> K <sup>-1</sup>
Accelerated aging surface monoclinic phase content	<5%
Chemical solubility after sintering	<100µg/cm <sup>2</sup>
Radioactivity	<0.1Bq/g
Sintering temperature	1480°C

## Chemical Composition

ZrO <sub>2</sub> + HfO <sub>2</sub> + Y <sub>2</sub> O <sub>3</sub>	>96.5%
Y <sub>2</sub> O <sub>3</sub>	5.8%-9.7%
Al <sub>2</sub> O <sub>3</sub>	<0.5%
Fe <sub>2</sub> O <sub>3</sub>	<0.5%
Er <sub>2</sub> O <sub>3</sub>	<2.0%
Others oxides	<0.5%