



# ESTHETIC EXPLORE

- Suitable for all indications

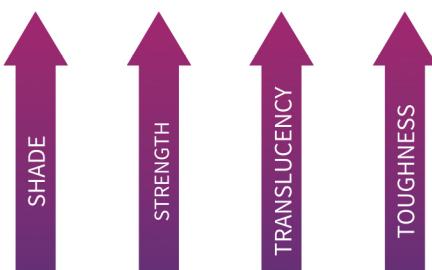
## • Physical Characteristics

Density after sintering	$\geq 6.0\text{g}/\text{cm}^3$
CTE(25-500°C)	$(10.5\pm 1.0)\times 10^{-6}\text{K}^{-1}$
Accelerated aging surface monoclinic phase content	<5%
Chemical solubility after sintering	<100 $\mu\text{g}/\text{cm}^2$
Radioactivity	<0.1Bq/g
Sintering temperature	1430-1550°C recommend 1480°C

## • Chemical Composition

$\text{ZrO}_2+\text{HfO}_2+\text{Y}_2\text{O}_3$	>96.5%
$\text{Y}_2\text{O}_3$	5.8%-9.7%
$\text{Al}_2\text{O}_3$	<0.5%
$\text{Fe}_2\text{O}_3$	<0.5%
$\text{Er}_2\text{O}_3$	<2.0%
Others oxides	<0.5%

Light      727MPa      48.8%       $3.5\text{MPa}\cdot\text{m}^{1/2}$



Dark      1000MPa      47%       $4.3\text{MPa}\cdot\text{m}^{1/2}$

