

Cerapure™

Cerapure™ is the world's first colorless and transparent glass-ceramic material with a zero thermal expansion coefficient. This epoch-making glass-ceramic material has the new value of being colorless and transparent, while maintaining the excellent properties of conventional zero-expansion glass-ceramics.

Features

● Colorless and transparent

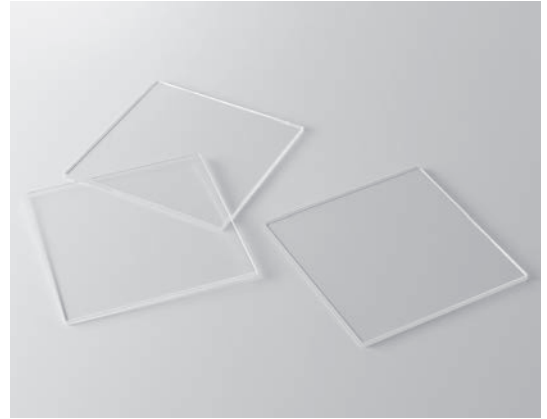
Colorlessness and transparency enables white and other light-colored prints on the glass-ceramics to be more vivid, which was never possible before.

● Zero thermal expansion coefficient

Cerapure™ has excellent resistance to thermal shock. It does not crack if it is splashed with cold water immediately after being heated to 800°C.

● Eco-friendly

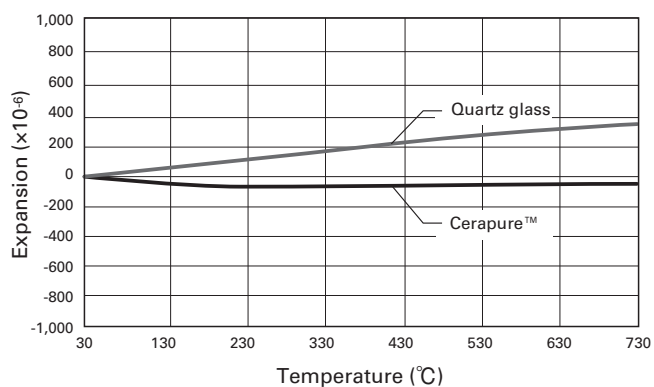
Cerapure™ is free of harmful substances, such as arsenic and antimony.



Properties

Properties/Glass Code			Cerapure™
Density		$\times 10^3 \text{kg/m}^3$	2.51
Coefficient of thermal expansion	30-380°C	$\times 10^{-7}/\text{K}$	-2
	30-750°C		-1
Refractive index (n_d)			1.53
Dielectric constant	1MHz, RT		7
$\tan \delta$	1MHz, RT		0.02

Thermal Expansion



Transmittance

