

# Lithium Disilicate

Natural Esthetics / Excellent Mechanical / Property Instant Restoration



**Audental Bio-Material Co.,Ltd**

# Product Advantages

## Excellent Mechanical Strength

The bending strength increased to  $400\pm 60$  MPa; with higher accuracy for ultra-thin veneer and other restorations; safe and long-term shade stability.

## Easy to Seat

The nano micron crystallization provides better edge stability and structural accuracy for milling. Simplifying the process of seating and polishing to realize the efficient fitting.



## Simulate the Hardness of Natural Tooth

The hardness of Audental glass-ceramics is closer to human teeth, which can reduce the abrasion of the occlusion teeth and surrounding tooth caused by the restoration.

## Comfortable Experience

A close to zero shrinkage provides great convenience for an efficient CAD/CAM process. Also, the fast sintering program leads to a comfortable instant restoration experience.

## More Natural Esthetics

HT: High Transparency, excellent VITA shade matching, esthetics, and chroma as natural teeth. LT: Low Transparency, particularly suitable for covering discolored teeth or titanium abutments.



# Product Properties

## Characteristic:

Coefficient of thermal expansion (25-500°C) [10 <sup>-6</sup> /K]	Three point bending strength [MPa]	Chemical solubility [µg/cm <sup>2</sup> ]	Density [g/cm <sup>3</sup> ]
10.5±0.5	400±60	≤40	2.47±0.05

## Sintering Curve:

Start temp	Drying	Heating rate	Highest temp	Maintain	Final temp
450°C	4min	40°C/min	840°C	2min/6min	300°C

## Specification:

- Color: VITA16, bleach white 4 (BL1/BL2/BL3/BL4)
- Size: 18\*13\*15; 40\*15\*14
- Transparency: HT (high transparency) and LT (low transparency)
- Mount Holders: Sirona, Roland, Imes-icore, Amann Girrbach, Wieland, Kavo, Planmeca, Customise



## Indications:

