

# CNG Bulk

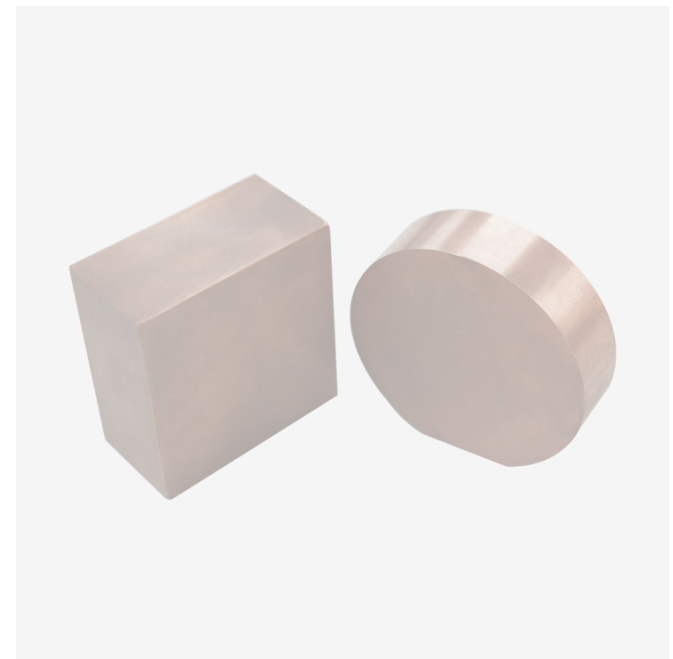
Anisotropy Bulk Heat spreader

## Dimension

- Width : ~ 108mm
- Length : ~ 108mm
- Thickness : ~ 108mm

## Features

- High Thermal Conductivity
- TC Anisotropy
- CTE Anisotropy



Product Inquiry

List

## Specification

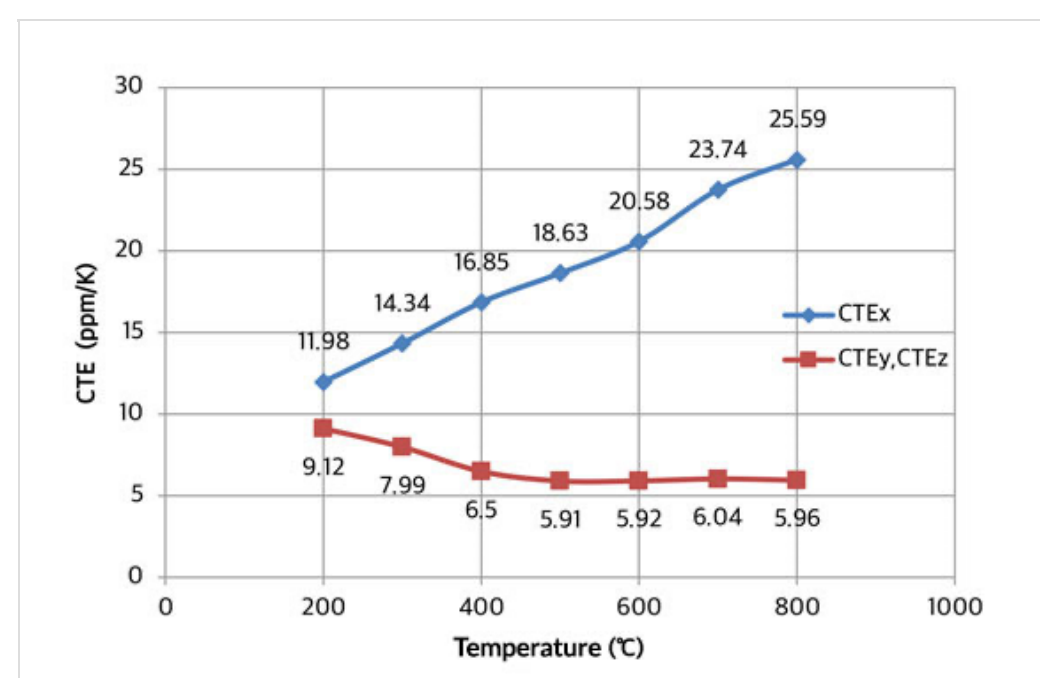
Properties	Values
TC x (W/mK)	40
TC y (W/mK)	630
TC z (W/mK)	630
CTE x (ppm/K) @ 800°C	25.59
CTE y (ppm/K) @ 800°C	5.96
CTE z (ppm/K) @ 800°C	5.96
Density (g/cm <sup>3</sup> )	4.10

※ TC<sub>xy</sub> represents the thermal conductivity (TC) in the plane direction of the heat spreader, that is, the x-axis and y-axis directions, and TC<sub>z</sub> represents the thermal conductivity in the thickness direction of the heat spreader.

## Product Properties

The values in the tables and graphs guide the material properties in a wide range to explain TGS products. COC (Certificate of Conformance) will be issued after confirming the detailed specification.

### ◆ Coefficient of Thermal Expansion (CTE)



### ◆ Cu-Graphite Micro-Structure

