

認証年度: 令和6(2024)年度

化学工業

kaneka 栃木力ネ力(株)

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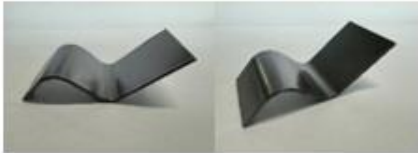
<https://www.tochigi-kaneka.co.jp/>

0285-82-1231

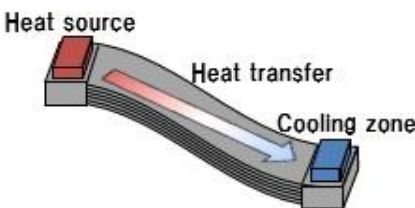
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Features

- High heat transfer ability by multi layered Graphite Sheet (GS)
- Light weight (Density 1.8g/cm^3)
→ One-fifth of copper, two-thirds of aluminum
- **Flexible, bendable**
- Low Outgas to fit for Space application



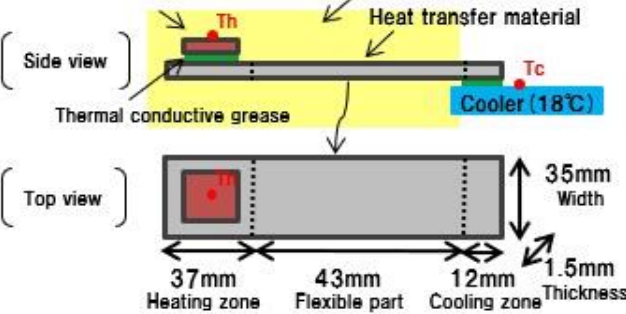
Schematic view of usage



Temperature reduction effect of heater

Experimental system

Heater $25 \times 25\text{mm}$, 11W



Heat transfer material Temperature	Multi Layered Graphite Sheet	Aluminum Plate
Temperature of Heater T_h	43.1℃	75.0℃
Temperature of Cooler T_c	18.6℃	18.6℃
ΔT between Heater and Cooler	24.5℃	56.4℃

Higher Temperature reduction effect

※ These data are not guaranteed values but the typical measurement values at our company.