

Sheet of heat storage gel complexed with graphite

FREYG Series

Product Description

The FREYG series is a composite of an adhesive sheet containing a heat storage material and a graphite sheet.

- ① Heat storage gel saves the heat from a heat source
- ② The heat stored in the heat storage gel is dissipated by the graphite sheet.

Application

Resolution for heat troubles of smartphone or cellphone

Resolution for heat troubles of automotive-parts.

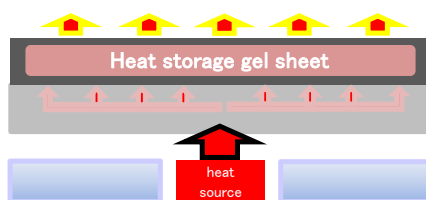
Structure

release film
Heat storage acrylic gel sheet
graphite sheet

Characteristic

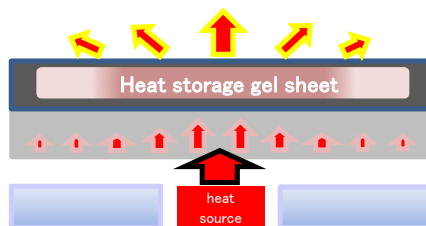
OhFREYG

hFREYG uses the graphite sheet which was superior in horizontal thermal conductivity.



OpFREYG

pFREYG uses the graphite sheet which was superior in vertical thermal conductivity.



Product Specifications

Product number *1	size	Thickness (heat storage gel sheet) mm	adhesive force SUS JIS Z2037 N/25mm	Thermal conductivity W/m・K	Heat capacity J/g	Thickness (graphite sheet) mm
hFREYG-10-○	60mm square	0.35-100 (0.1)	5	800 *2	17	0.25-100
hFREYG-50-○		0.75-100 (0.5)	10			
hFREYG-K10-○		0.35-100 (0.1)	5		33	
hFREYG-K50-○		0.75-100 (0.5)	10			
pFREYG-10-○	90mm square	1.6- (0.1)	5	10-800 *2	17	1.5~
pFREYG-50-○		2.0- (0.5)	10			
pFREYG-K10-○		1.6- (0.1)	5		33	
pFREYG-K50-○		2.0- (0.5)	10			

*** 1 It depends on the thickness of the graphite sheet**

*** 2 It is a characteristic after storing heat. It depends on the environment in which it is used.**

Precautions on use

All technical data are prepared based on the tests and measured values carried out in the laboratory of KGK Chemical Corp. as the standard.

However, product characteristics may vary greatly depending on environment and adherend.

Therefore, regarding these characteristic data, it is a reference value, not a guaranteed value.

Before using it please make sure that this product is suitable for the intended use and environment.

Caution on storage

Please be sure to put it in a box and keep it.

Please choose a cold and dark place not to be exposed to direct sunlight for the storage location.

In particular, please do not expose to high temperature and high humidity (temperature 30 °C or more and humidity 50% or more forbidden).

The warranty period of the tape is unopened and it is six months after shipment.

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