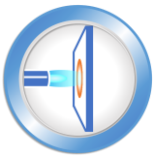
# Barrifire ™ GP series (Preliminary)

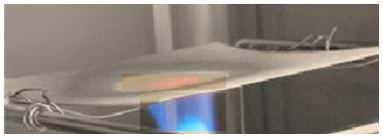
## Superior Heat Resistant Glass Fibre Sheets

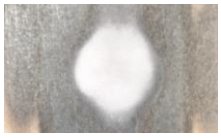
*To support Sustainability by improving the fire resistance*

### Fire Resistance



No through-holes formed after burning at 1100 ˚C by a burner flame.





Barrifire GP

General Glass Paper

### Heat Resistance

Maintain its shape and size on 600 ºC.※

Barrifire GP

Size retention rate: approx. 99%

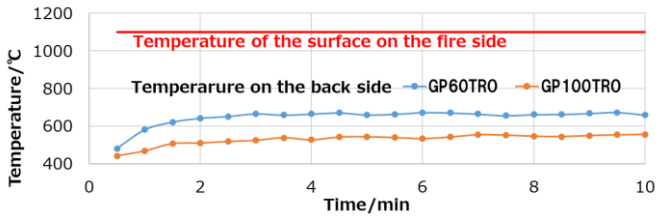
Organic heat-resistant sheet

Significantly shrinking

※ Immediately after placing the product in a 600°C environment, temporary ignition may occur due to the combustion of the organic components contained in the product.

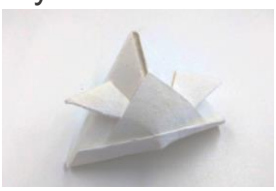
### Heat Insulation

Great heat insulation despite being thin. (Thermal conductivity 0.1-0.2 W/m · K)




### Workability

Can easily be cut by scissors and utility knives and be folded.



### Application Examples

- Protective battery covers for Electric Vehicles
- Noncombustible building materials
- Protective sheets against spatters (welding, laser processing)
- Process sheets during the heating process of metal or glass production.

### Physical Properties

| | Grammage [g/㎡] | Thickness [mm] | Tensile Strength (MD) [N/m] | Elongation at break (MD) [%] | Thermal Conductivity [W/m･K] |
|---|---|---|---|---|---|
| GP60-TRO | 105 | 0.19 | 6,500 | 2.2 | 0.11 |
| GP100-TRO | 170 | 0.33 | 9,300 | 2.0 | 0.18 |

. * The above values are typical values, not guaranteed values.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