

# Moldable plastic splint

# THERMAL GIPS®

Designated insured medical materials  
(nasal use; F10-a-4)

## Characteristics

Thermoplastic resin with metallic properties

### 1. Softened by hot water

Can be fit onto the curve of nose smoothly.  
It protects the nose effectively and can be firmly fixed in place.

### 2. Remoldable

If re-submerged in hot water, it softens and can be remolded  
(however, this can only be done once).

### 3. Excellent heat radiation

This product has four times of thermal conductivity than  
other products because of the high content of Al-pigment.

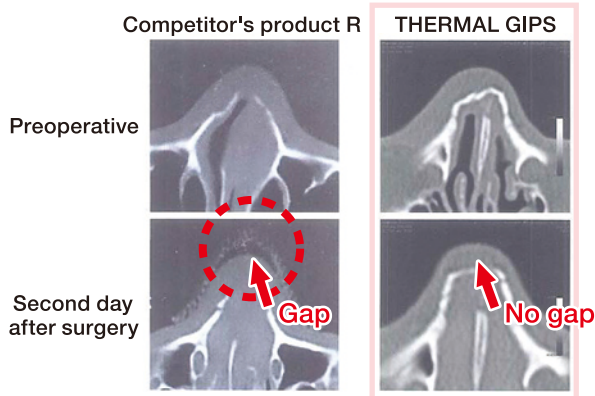
### 4. Four sizes are available

It shows a scale, enabling the selection of S, M, L, or LL  
to suit the patient.

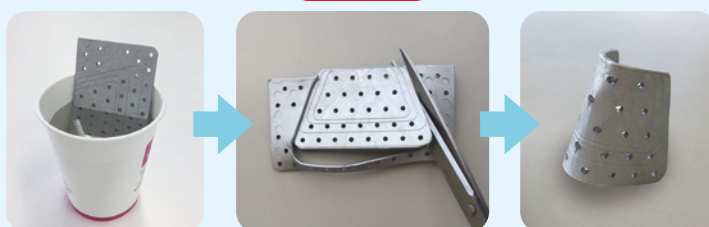
For nasal use  
(For nasal fractures)



Actual conditions of use THERMAL GIPS has no gap at the tip of the nose.



## Method of use



Submerge the product for  
single use (half of the contents  
of the inner packet) in hot water  
for approximately 3 minutes.

Cut along the line to the appropriate  
size.

Fit to the nose, mold it to  
shape, and fix it in place  
with tape.

Whole process completed within about 5 to 6 minutes

● The thermal conduction rate of THERMAL GIPS is approximately  
four times that of competitors' products.

### ■ Measurement results of THERMAL GIPS

	Cooling sheet temperature	BT sheet temperature	BT sheet heat flow	Test item thickness (cm)	BT sheet surface area (cm <sup>2</sup> )	Heat conduction rate (W/m <sup>2</sup> ·K)
1	20.0	28.9	2.81	0.201	25	0.254
2	20.0	28.9	2.81			0.254
3	20.0	28.9	2.80			0.256
Mean						<b>0.255</b>

### ■ Measurement results of competitor's product R

	Cooling sheet temperature	BT sheet temperature	BT sheet heat flow	Test item thickness (cm)	BT sheet surface area (cm <sup>2</sup> )	Heat conduction rate (W/m <sup>2</sup> ·K)
1	20.0	29.3	1.46	0.104	25	0.065
2	20.0	29.3	1.45			0.065
3	20.0	29.3	1.46			0.065
Mean						<b>0.065</b>

- Manufacturer and marketer: Toyo Aluminium K.K.
- Manufacturer code: 501240000
- Manufacturing and marketing authorization no.: 27B3X00286 (general medical equipment type III)
- Commercial name: THERMAL GIPS
- Non-commercial name: Moldable plastic splint (36240000)
- Delivery no.: 27B3X00286000001
- Size (two sheets per inner packet): 10 cm × 10 cm × 2 mm
- Unit weight: 25 g per inner packet
- Business code: 458962005
- JAN code: 4589620050016
- Quantity included in the package: 120 sheets, i.e. 10 inner packets (20 sheets) × 6 small boxes
- Package size: 165 × 110 × 110 mm
- Package weight: 1.7 kg

The method of use can also  
be seen in the video.



<https://youtu.be/VyoWvW2EeDY>