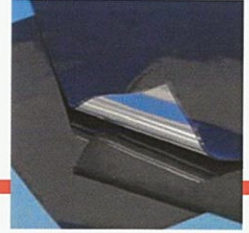


# Electromagnetic Noise Absorbent GEL

# ΛGEL™ RE

◆ Lambda GEL/RE

Minimizing EM noise in all-in-one solution for electromagnetic noise, heat and shock.



## Features

- Electromagnetic noise absorbent and thermal conductive characteristics.
- Adhere to rough surfaces with softness and show excellent heat dissipation and electromagnetic absorbing performance.
- Good electrical insulators and flame retardant.
- Usable over a wide range of temperature.

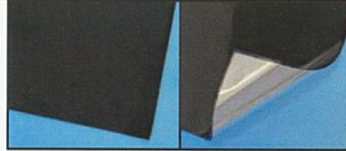
## General Properties

Item		Grade	RE-100	RE-100H	Remark
Thermal conductivity (W/(m·K))	Our tests		2.0		—
	Hot Wire Method <sup>(※1)</sup>		1.0		JIS R 2616
Hardness (Needle penetration · 1/10mm)			60		JIS K 2207
Appearance			Black		—
Specific gravity			2.9		JIS K 6249
Volume resistivity (Ω · cm)			2.0 × 10 <sup>11</sup>		JIS K 6249
Dielectric breakdown strength (kV/mm)			4.5	10.0	JIS K 6249
Low molecular weight Siloxane level ΣD4-10 (ppm)	Solvent Extraction Method		Less than 300		—
	Head Space Method <sup>(※2)</sup>		Less than 1		—
Flame retardance			V-1 (0.5~2mmt) V-0 (3.0mmt)	—	UL94
RoHS controlled substances			Not detected		—
Temperature range (°C)			-40~150		—
Other Specification			—	w/Adhesive reflective layer	—

(※1) Hot Wire Method : Using the QTM-500 Quick Thermal Conductivity Meter, from Kyoto Electronics Manufacturing Co.,LTD.

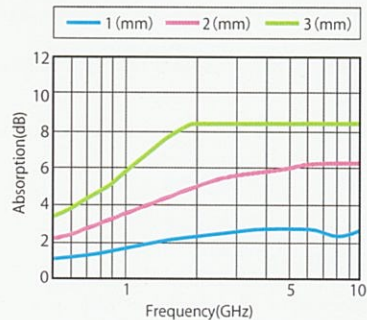
(※2) Head Space Method : at 70°C

※Not Specified Values



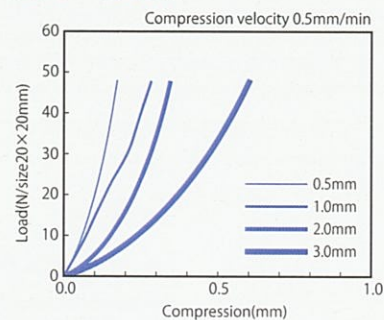
## 【Return Loss】

RE-100

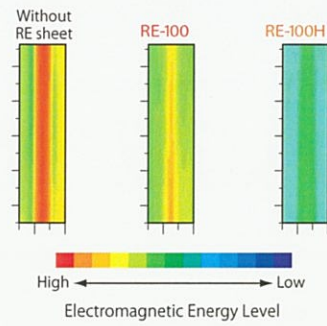
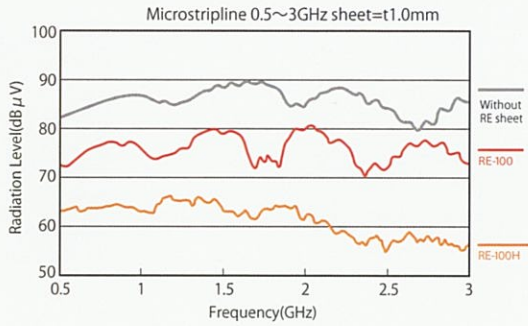


## 【Compression】

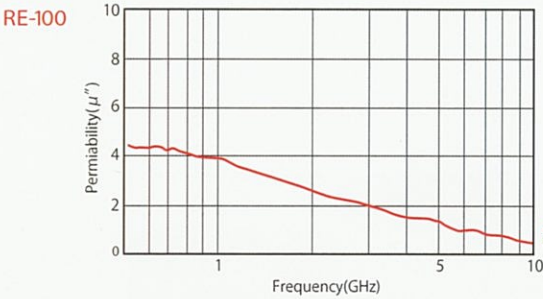
RE-100 RE-100H



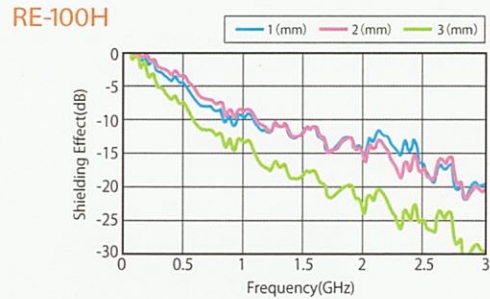
## 【Electromagnetic Noise Absorption】



## 【Electromagnetic Noise Absorption】



## 【Shielding Effect】

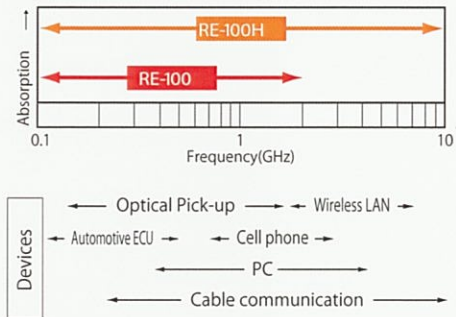


### Directions

- ◆ RE-100 is protected by films on both sides.
  - Slowly peel off one side of the protective film of RE-100.
  - Carefully place RE-100 sheet on the heat source or heatsink without air gap.
  - Peel off the other film from RE-100. Place heat dissipating device or heat generating device on RE-100 without air gap.
- ◆ RE-100H has logo-film on one side and an adhesive layer on the other side.
  - Peel off the film on the adhesive side and fix RE-100H on the enclosure.
  - Peel off the logo-film, and place RE-100H on heat source or heatsink without air gap.

### Delivery Format

## 【Frequency Range】



## 【Basic Specifications】

Sheet thickness 0.5, 1.0, 2.0, 3.0mm

### Notes

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- It is highly recommended that users would not use the products shown in the brochure in medical applications, particularly for implantation use.
- The users shall be aware of the fact that silicone oil could bleed from silicone-gel. It is therefore that any user should be responsible for conducting reliability test in advance before delivering the products in the market.
- The silicone-gel contains low molecular siloxane, which could be volatile.
- The seller or manufacturer shall not be responsible for any defects to the supplied product, unless it is proven that the supplied product has defects attributed to the intent or negligence of the manufacturer. If that is the case a replacement product shall be provided.
- The seller or manufacturer shall not be responsible for any recommendations, proposals and suggestions or matters not stated in this catalogue, unless otherwise agreed in writing and signed by duly authorized representatives of the seller or manufacturer.
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**Taica North America Corporation**

3080 Olcott Street, Suite D240, Santa Clara, CA 95054, USA  
Phone: 408-500-2971 E-mail: gel.overseas@taica.co.jp