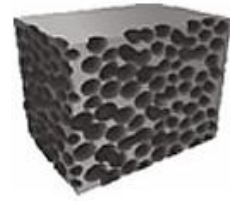


NITTO EPTSEALER

## EH-2200 Series

Foam sealing material with excellent resistance to metal corrosion.



Semi-closed cell structure

### Outline

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NITTO EPTSEALER EH-2200 series are semi-closed cell structure EPDM rubber foam materials with or without adhesive which can be used as buffer, dustproof, soundproof, or thermal insulation according to the compression ratio.

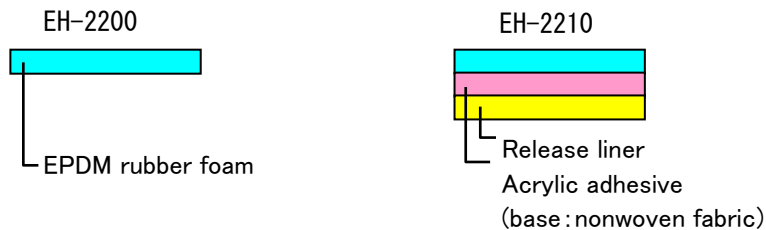
### Features

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- Since sulfur is not used, it excel in resistance to metal corrosion.
- Since compression load is low, it does not deform the structure after application.
- Be excellent at durability, weather-resistance, heat-resistance, and chemical resistance.
- With its superior flame retardancy, EH-2200 foam has obtained UL-94 HBF flame retardant certification.

### Structure

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### Standard Size

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Thickness (mm)	Width (mm)	Length(m)
3,5,8,10,12,15,20	900	2

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## Applications

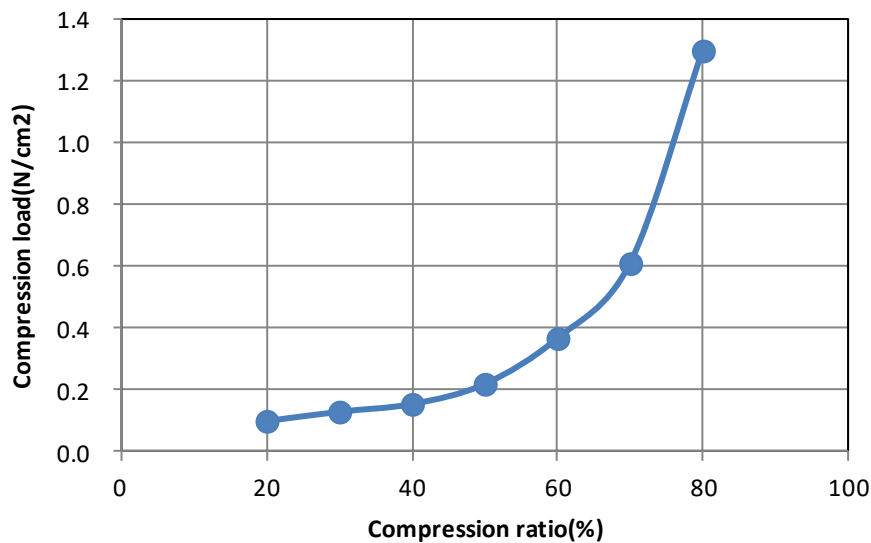
- Buffer and insulation material for FTV speaker.
- Sealing material for around ECU.
- Sealing material for around Li-ion battery
- Sealing material for other electric equipments and electronic devices.

## Properties

### (1) Foam properties

Product No.	Specific gravity (g/cm <sup>3</sup> )	Tensile strength (N/cm <sup>2</sup> )	Elongation (%)	Compressive load (N/cm <sup>2</sup> )	
				50%	80%
EH-2200	0.11	6.0	270	0.22	1.30

### (2) Compression Ratio vs. Compression load Relations



Compression speed : 10mm/min

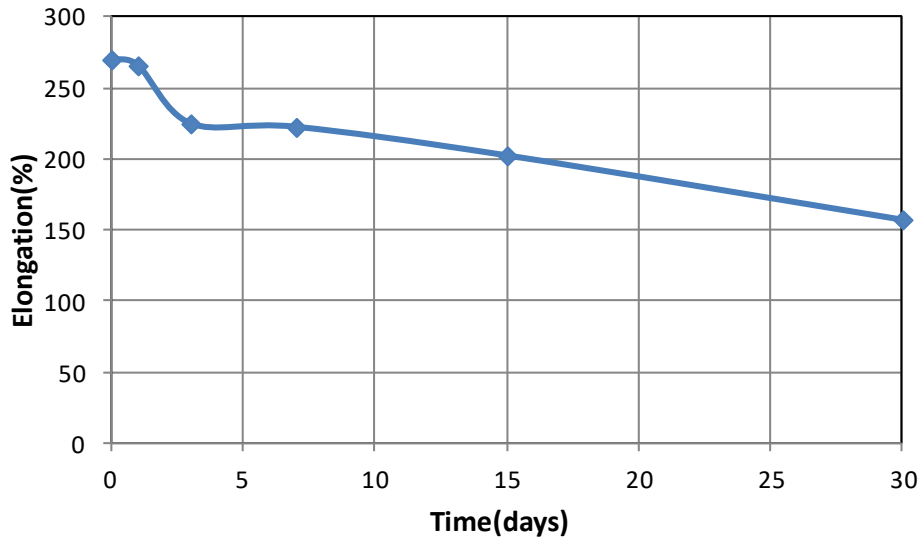
Measured amount of load after compression 10 seconds

$$\text{Compression rate (\%)} = \frac{\text{thickness before compression} - \text{thickness after compression}}{\text{thickness before compression}} \times 100$$

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### ● Heat resistance(100°C)



### ● Sulfur content(Free sulfur content)

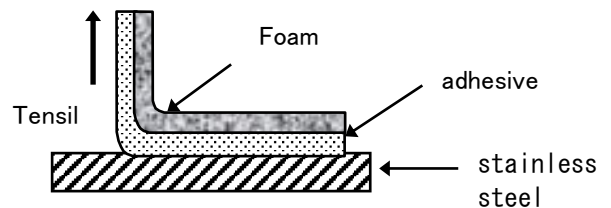
Product No.	EH-2200
Sulfur content(wt%)	<0.001

\*< : Under the limit of detection

Test method : Extraction liquid is measured in GPC(gel permeation chromatography).

### ● Peeling Adhesive

Product No.	EH-2210
Adhesive(N/15mm)	6.9



#### Test method

A 15mm wide piece of foam/tape is applied to stainless steel with a 2kg roller passed back and force once. After allowing it to set for 30minutes, adhesive strength is measured by peeling the foam/tape at a 90° angle.

Pulling rate: 300mm/min. Measurement temperature : Room temperature

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### Precautions

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- Wipe oil, moisture, and dust off the surface of adherends thoroughly before application.
- When processing foam/synthetic resin adhesive into ribbons, make sure to cut and process it in lengthwise. If it is cut in widthwise, the tape may stretch when using it.
- The adhesive is pressure-sensitive. Handle it with utmost care.
- Most recommended temperature for adhesion is above 10° C. (If the temperature is below 10° C (like in winter), their initial adhesive strength will be low.)
- Place the original roll of these products horizontally for storage to avoid deformation.
- Avoid the contact with the sulfur used rubber products.
- Keep the products away from high temperatures and humidity, and store them in a dark cool place avoiding direct sunlight.
- Make sure the product is suitable for the application (objective and conditions) before attempting to use. The tape may come off depending on the substrate to which it is applied or conditions under which it is applied.

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