



บริษัท ตะวันออกโพลีเมอร์อุตสาหกรรม จำกัด  
**EASTERN POLYMER INDUSTRY CO.,LTD**  
เลขที่ 111/7 หมู่ที่ 2 ต.มะขามคู่ อ.นิคมพัฒนา จ.ระยอง 21180  
โทรศัพท์ : 038-917111-120 ต่อ 2513 Fax.038-917121

***MATERIAL SAFETY DATA SHEET***

***AEROFLEX***

Date of issue: July 9,2008

Production Name : AEROFLEX

MSDS Number: CH-001

Revision: 3

**1. Product and Company Identification**

Identification of Product : Closed Cell Elastomeric Thermal Insulation.  
Trade Name : AEROFLEX  
Manufacturer/Supplier : Eastern Polymer Industry Co., Ltd.  
111/7 Moo 2 Tambol Makhamku ,Amphur  
Nikom Pattana, Rayong Thailand. 21180  
Telephone Number : 66-3891-7111-120  
Fax Number : 66-3891-7121  
Email Address : [marketing@aeroflex.co.th](mailto:marketing@aeroflex.co.th)

**2. Composition/Information on Ingredients :**

This product is an expanded, closed cell, sulfur-cured rubber type compound. It contains synthetic polymer, fillers, plasticizers and rubber chemicals. Following are the main ingredients in this product:  
Synthetic rubber (EPDM: Ethylene-Propylene-Terpolymer Rubber) CAS No.25038-36-2  
Aluminum Trihydrate CAS No.21645-51-2  
Carbon Black CAS No.1333-86-4

**3. Hazards Identification**

Inhalation : No significant signs of any adverse health hazard are expected to occur as a result of inhalation exposure.  
Eye Contact : No significant signs of any adverse health hazards are expected to occur as a result of eye contact.  
Ingestion : Practically non-toxic  
Skin Contact : No significant signs of any adverse health hazards are expected to occur as a result of skin contact.



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**4. First Aid Measures**

Inhalation	:	Not required under normal use. If irritation persists, remove form exposure area.
Eye contact	:	Not required under normal use. Flush with water until all traces of this material are gone. Seek medical attention if irritation persists.
Ingestion	:	If illness or adverse symptoms develop, obtain medical attention.
Skin Contact	:	Not required under normal use.

**5. Fire - Fire Fighting Measures**

Extinguishing Media	:	Carbon Dioxide, ABC dry chemical, and Water spray and foam.
Specific Hazards with regard to Fire-Fighting measures	:	Approach from unwinds side. Avoid breathing smoke, fumes or vapors on downwind side. Firefighters wear protective clothing, especially eye protection, and self-contained breathing apparatus.
Hazardous Combustion Products	:	Material is stable under normal conditions. In the event of a prolonged fire, may generate Carbon Monoxide, Carbon Dioxide, Low molecular weight alcohol/aldehydes and acid.

**6. Accidental Release Measures Steps**

If Materials Released /Spill

Land Spill	:	Collect spilled material and place it in an appropriate container for reuse or disposal.
Water Spill	:	Product is insoluble. Collect spilled material and place it in an appropriate container for reuse or disposal.
Neutralizing Agent	:	N/A



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**7. Handling and Storage**

Handling condition : No special precaution required  
Storage condition : Keep in a dry normal storage.

**8. Exposure control/Personal Protection**

Engineering Controls : General ventilation  
Personal Protection : N/A

**9. Physical and Chemical Properties**

Appearance : Expanded Rubber Foam.  
Specific Gravity (H<sub>2</sub>O=1) : 0.04-0.09  
Service Temperature (°C) : -57 to+125°C (-70 to + 257°F)  
Thermal Conductivity (W/mK) : 0.037 at Mean temp 24°C Max  
Water Vapor Permeability : 0.1 Perm-inch (0.22x10<sup>-12</sup> Kg/Pa s m) Max  
Water Absorption (%by weight) : 3% by weight Max  
Compression Set : Excellent  
Flammability : Self-extinguishing

**10. Stability and Reactivity** : Stable

Condition to avoid : N/A

Hazardous Decomposition Product : May generate Carbon Monoxide, Carbon  
Dioxide, Low molecular weight alcohol/aldehydes  
and acid.

Hazardous Polymerization : Will not occur

**11. Toxicological Information**

No Data

**12. Ecological Information**

No Data



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**13. Disposal Considerations**

Waste material may be disposed of in an approved landfill or may be incinerated under Conditions which meet federal, State and Local environmental regulation.

**14. Transportation Information**

No Special precautions required

**15. Regulatory Information**

No data

**16. Other Information**

The information supplied herein is related to material specified and may not be valid if used in combination with other material or process. Further the information contained here is believed to reliable and based on correct state of our knowledge. However no guarantees of any kind can be give as to its accuracy.