



Graphene

Foaming Masterbatch



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Product Introduction

Graphene foaming masterbatch is produced by modifying resin with graphene and adding it proportionally into conventional foaming particles to manufacture foam plastic boards. It provides low thermal conductivity, excellent dimensional stability, and environmental friendliness.

- Excellent thermal insulation: low and stable thermal conductivity, enhanced infrared radiation.
- Good dimensional stability: small cell size and high density.
- High strength: enhanced mechanical performance.
- Eco-friendly: new foaming process, free from formaldehyde and VOC.

APPLICATIONS

- Residential buildings
- Warehousing & logistics
- Commercial buildings
- Agriculture & livestock
- Industrial buildings
- Special equipment

Technical Parameters

Product Name	Graphene Foaming Masterbatch LN-GXR-01
Performance Parameters	Specific Specifications
Appearance	Grey-black granules
Density (g/cm ³)	1.0±0.1
Moisture Content (%)	≤0.3
Recommended Dosage	5–10% of total materials

First Aid Measures

- Skin Contact: Wash thoroughly with soap and plenty of water. If irritation persists, seek medical attention.
- Eye Contact: Rinse cautiously with running water for at least 15 minutes, lifting the eyelids occasionally. If irritation persists, seek medical attention.
- Inhalation: Move the affected person to fresh air immediately. If breathing is difficult, administer oxygen.
- Ingestion: If conscious, rinse mouth with warm water and seek immediate medical attention.

Spill Response Measures

Use appropriate personal protective equipment (PPE). Ensure adequate ventilation. Remove all sources of ignition. Ensure personnel stay away from the spill area or remain upwind. Restrict access to unauthorized personnel. Absorb with inert materials (such as dry sand) and collect using clean tools into dry, clean, covered containers for proper disposal. After cleanup, ventilate the area and lightly spray with water. Avoid generating dust.

Storage

Store in a cool, well-ventilated, and dry warehouse. Keep away from sources of ignition and heat. Protect from direct sunlight. Store separately from strong acids, strong oxidizing agents, strong reducing agents, and flammable materials. Opened containers should be carefully sealed and kept upright to prevent leakage. Moisture sensitive. The storage area should be equipped with appropriate firefighting equipment, spill response equipment, and suitable containment materials.

Exposure Controls / Personal Protection

Wear appropriate respiratory protection, chemical safety goggles, and protective gloves during use. Ensure adequate ventilation during operation. Emergency showers and eyewash facilities should be available.

Contact us

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