

TECHNICAL & SAFETY DATA SHEET: ERM.09

By Emamou

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A. TECHNICAL DATA

I. Product Identification

1. **Product name:** ERM.09 (Recycled High Density Polyethylene Injection Black)
2. **Original Source:** Industrial packages
3. **Recommended use:** Injection and compression moulding, thermo form applications
4. **Packaging:** 25kg/bag or 600 kg/ big bag

II. Technical Aspects

Parameters	Value	Unit	Test Method
Melt Index (190°C; 2.16kg)	1.70-2.90	g/10min	ASTM D1238
Melt Index (190°C; 5kg)		g/10min	ASTM D1238
Density, 23°C	0.93-0.95	%	ASTM D792
Ash Content	≤3	%	ASTM D5630
Moisture Content	Shape	Size	Color
≤0.35%	Resin	3 – 4 mm	Black

* Materials tested from random bags and from the current stock



B. SAFETY DATA

I. Hazard Identification

CLASSIFICATION ACCORDING TO REGULATION GHS: None

CLASSIFICATION ACCORDING TO REGULATION (EC) 1272/2008: None

II. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME: Polyethylene

WEIGHT %: > 96%

III. FIRST AID MEASURES

SKIN: If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Seek medical attention.

EYES: Seek medical attention if constant irritation occurs

INHALATION: Seek medical attention if constant irritation occurs

INGESTION: Seek medical attention

IV. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water, Carbon dioxide, Dry chemical

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide

SPECIAL EXTINGUISHING PROCEDURE:

- Stand on the up-wind side, then apply fire extinguisher to cover the fire area thoroughly.
- If possible, remove the remaining pellets or goods to a safe location.

Appropriate protective firefighting clothing and respirator are necessary for firefighters.



V. ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION:	Pay attention to slippery surface and floor
ENVIRONMENTAL PROTECTION:	Do not flush into surface water or sanitary sewer system.
METHODS FOR CLEANING UP:	Stop leak and shovel into container for disposal.

VI. HANDLING AND STORAGE

HANDLING:	Wash hand with soap and water
STORAGE:	Store materials in a sprinkler protected warehouse. If a heat source is present, keep the area well ventilated
SPECIFIC END USES:	None

VII. EXPOSURE CONTROLS

VENTILATION: Local ventilation in dusty conditions, or if thermal decomposition occurs

PROTECTIVE EQUIPMENT:

SKIN:	Use gloves and protective garments when handling molten material
EYE:	Use glasses with side shields in dusty conditions
RESPIRATOR:	NIOSH approved dust respirator is recommended. If material is being burned, wear an organic respirator

VIII. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Solid resins
COLOR:	Natural color
PH VALUE:	N/A
INFLAMMABILITY:	N/A
DECOMPOSITION TEMPERATURE:	N/A
VAPOR PRESSURE:	N/A



MELTING POINT:	150-200°C
DENSITY:	0.93 ~ 0.95
ODOR:	Negligible
SOLUBILITY IN WATER:	Insoluble

IX. STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID:	None known
MATERIALS TO AVOID:	Strong oxidizing agents

X. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin, eyes, inhalation and ingestion systems

IMMEDIATE EFFECTS:

- Eyes: Solid or dust may cause irritation or corneal injury due to mechanical action.
- Inhalation: Vapors released during thermal processing may cause respiratory irritation
- Skin Contact: No skin irritation.
- Ingestion Essentially non-toxic based on components. Unable to digest.
- Other: Carcinogenicity: None; Acute toxicity: None; Chronic toxicity: None

XI. ECOLOGICAL INFORMATION

SUSTAINABLE AND DE-TOXIC:	Material is not easy to be biodegraded. It can be recycled with appropriate technologies.
ECOLOGIC ACCUMILATION:	None
LIQUIDITY IN SOIL:	None
OTHER POOR EFFECT:	Improper burning may generate hazardous gas.

XII. DISPOSAL CONSIDERATIONS

Dispose of waste material at an approved waste incineration facility is recommended in accordance with applicable regulations



XIII. TRANSPORT INFORMATION

According to national and international guidelines, which regulate the road-, rail-, air and sea transport, this product is classified as not dangerous.

XIV. REGULATORY INFORMATION

PACKAGING AND LABELLING:	No special requirement
INVENTORIES:	Australian Inventory (AICS). Canada Inventory (DSL). China Inventory (IECS). EC Inventory (EINECS). Japan Inventory (ENCS). Korea Inventory (ECL).

XV. OTHER INFORMATION

For other information, contact Emamou Customer Service +31 618 048 468 (Monday-Friday, 9h00 – 17h00, ECT).

It is your responsibility to determine that our product is safe, lawful, and technically suitable for your intended uses. This material safety data sheet cannot cover all possible situations that the user may experience during processing stages. Each aspect of the user's operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this material safety data sheet should be provided to employees and/or any related parties.

The information provided in this Technical and Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification



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