

# TECHNICAL & SAFETY DATA SHEET: ERM.02

By Emamou

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## A. TECHNICAL DATA

### I. Product Identification

1. **Product name:** ERM.02 (Recycled Low Density Polyethylene A2)
2. **Original Source:** Industrial film
3. **Recommended use:** General packaging films including shopping bags, trash bags, packaging sheets
4. **Packaging:** 25kg/bag or 600 kg/ big bag

### II. Technical Aspects

Parameters	Value	Unit	Test Method
Melt Index (190°C; 2.16kg)	0.20-1.10	g/10min	ASTM D1238
Melt Index (190°C; 5kg)	0.80-3.50	g/10min	ASTM D1238
Density, 23°C	0.90-0.93	%	ASTM D792
Ash Content	≤1	%	ASTM D5630
Moisture Content	Shape	Size	Color
≤0.35%	Resin	3 – 4 mm	Natural color

\* 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 %:** > 99%

### 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

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

## VI. HANDLING AND STORAGE

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

## VII. EXPOSURE CONTROLS

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

**PROTECTIVE EQUIPMENT:**

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

## VIII. PHYSICAL AND CHEMICAL PROPERTIES

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



<b>MELTING POINT:</b>	130-160°C
<b>DENSITY:</b>	0.915 ~ 0.930
<b>ODOR:</b>	Negligible
<b>SOLUBILITY IN WATER:</b>	Insoluble

## IX. STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	None known
<b>MATERIALS TO AVOID:</b>	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

<b>SUSTAINABLE AND DE-TOXIC:</b>	Material is not easy to be biodegraded. It can be recycled with appropriate technologies.
<b>ECOLOGIC ACCUMILATION:</b>	None
<b>LIQUIDITY IN SOIL:</b>	None
<b>OTHER POOR EFFECT:</b>	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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[www.emamou.com](http://www.emamou.com)



[info@emamou.com](mailto:info@emamou.com)



+31 618 048 468

