



## **Allegato 1**

### **Scheda Tecnica e Scheda di Sicurezza prodotto da riciclo meccanico "FI-25AX"**

NT-03-TES-PE12-2023

### LDPE TRANSPARENT (FI-25AX)

**FORMATO/ FORMAT:** Granza 100% Post-Consumo Reciclado certificado RECYCLASS

**COLOR/ COLOR:** Natural

**TAMAÑO SIZE:** Pellets 3 -4 mm

**PRESENTACIÓN PRESENTATION:** Big-Bags, sobre palet enfundados y protegidos con film estirable

**NIVEL FILTRACION LEVEL FILTRATION:** **DOBLE FILTRACION:100 / 75 Micras**

**COMPOSICION / COMPOSITION:** 20 - 5% LDPE // 80-95% LLDPE <sup>1</sup>

PROPIEDADES PROPERTIES	METODO METHOD	VALOR VALUE	UNIDADES UNITS
<b>FISICAS/ PHYSICS</b>			
<b>MFI (190°C, 2.16 Kg)</b>	<b>ISO 1133</b>	<b>1.4 – 2.20</b>	<b>g/10 min</b>
<b>MFI (190°C, 5 Kg)</b>	<b>ISO 1133</b>	<b>0.0±0.0</b>	<b>g/10 min</b>
<b>DENSIDAD APARENTE/ APPARENT DENSITY</b>	<b>EN-15344</b>	<b>0.485 – 0.495</b>	<b>g/cm<sup>3</sup></b>
<b>CENIZAS/ ASHES</b>	<b>MET.INT</b>	<b>&lt; 2%</b>	<b>%</b>
<b>HUMEDAD/ HUMIDITY</b>	<b>MET.INT</b>	<b>0.02±0.01</b>	<b>%</b>
<b>DENSIDAD/ DENSITY</b>	<b>ISO-1183-2</b>	<b>0.901-0.935</b>	<b>g/cm<sup>3</sup></b>
<b>CONTENIDO LDPE / LDPE CONTENT</b>	<b>ISO-11357-3</b>	<b>100</b>	<b>%</b>



<sup>1</sup> Los parámetros de calidad de nuestro producto reciclado, indicados anteriormente se han obtenido de muestras aleatorias de nuestra producción. Por tanto, deben ser tomadas como especificaciones orientativas  
En cada caso el transformador será responsable de las condiciones de almacenamiento y uso final del producto.

The quality parameters of our recycled product, indicated above have been obtained from random samples of our production. Therefore, they must be taken as guidance specifications  
In each case the transformer will be responsible for the storage and end-use conditions of the product.



**RecyClass**

RECYCLING PROCESS  
CERTIFICATE

LLORENS GMR  
DIVISIÓ PLÀSTIC FILM

Calle de Palaudàries 9  
08185 Lliçà de Vall  
Barcelona



[www.llorensgmr.com](http://www.llorensgmr.com)

## SAFETY DATA SHEET

### 1-CHEMICAL PRODUCT/COMMERCIAL IDENTIFICATION

PRODUCT IDENTIFICATION: Low Density Polyethylene (LDPE)

CAS Number 9002-88-4

MARKETING IDENTIFICATION: *Llorensgmr*

DISTRIBUTOR: *Llorensgmr*

### 2-IDENTIFICATION OF HAZARDS:

Combustible Material.

### 3-FIRST AID

Inhalation:

- If excessive inhalation of dust occurs, remove victim from exposure area to fresh air.

Give artificial respirations if it's necessary

Keep warm and at rest. Seek medical attention immediately.

Skin contact:

- Melted or heated polymers may cause skin burns from heat. For such burns, remove clothing, any jewellery or fragments from the burned area. Leave blisters intact. Wash the area with room temperature tap water. Do not use ice. Cover the affected area with gauze moistened with cold water, keeping it moist. Seek medical attention immediately.

Eye contact:

- If eye contact with powder occurs, flush immediately with plenty of water or plain saline. If irritation persists, seek medical advice.

- For eye burn with molten polymer, flush immediately with plenty of water and continue flushing for several minutes.

- Do not remove contact lenses if wearing them. Seek medical advice immediately.

Ingestion:

- Wash out mouth and drink afterwards plenty of water. If you feel unwell: Seek medical advice.

Indications for physician:

- Treatment: Symptomatic treatment (decontamination, vital functions), no specific antidote is known.

### 4-FIRE-FIGHTING MEASURES

Suitable extinguishing media:

-Water, dry extinguishing media, foam, carbon dioxide. Use carbon dioxide or dry extinguishing media on small fires. Use water or foam on large fires.

Special procedures:

- Do not use a steady stream of water or foam directly on burning molten material.

- In case of firefighting it is necessary to wear respiratory protection with separate air supply.

Unusual hazards:

- Emission of toxic fumes under fire conditions.

### 5-MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILLAGE

Person-related safety precautions:

- Avoid inhalation. Keep away from sources of ignition.

Method for cleaning up/collection:

Use mechanical handling equipment. Avoid formation of dust. Provide adequate ventilation.

Additional information:

- In case of product spillage, extreme danger of slipping.

### 6-HANDLING AND STORAGE

Manipulation:

-If it's working with dust, avoid inhalation, eye contact, skin contact and prolonged or repeated exposure.

Ensure good ventilation and local exhalation. Do not eat, drink or smoke in the work area.

Storage:

- Keep containers closed until the time of use of the material. Store in a clean, dry place. Protect from exposure to heat.

### 7-EXPOSURE CONTROL/ INDIVIDUAL PROTECTION

Dust Exposure Limit:

- 5 mg/m<sup>3</sup> OSHA TWA (respirable dust); 15 mg/m<sup>3</sup> OSHA TWA (total dust); 10 mg/m<sup>3</sup> ACGIH TWA (total dust).

Ventilation:

- Install local exhaust or general ventilation to maintain cited exposure limits.

Ventilation equipment should be explosion proof.

Eye protection:

- Safety glasses should be worn if there is a possibility of dust or molten polymer contact with the eyes. In such cases, an eyewash should be installed close to the work area for emergency use.

Hand Protection:

-The employee should wear appropriate protective gloves to prevent contact with the product in the molten state.

Respiratory Protection:

- When working with dust, select mask suitable for the exposure levels encountered in the work location and specific operation, not to exceed the working limits of the mask.

### 8-PHYSICAL AND CHEMICAL PROPERTIES

Physical state: granulated

Colour: varied, depending on the coloration

Odor: slight odor

Melting point: 125-135°C.

Decomposition Temperature: > 400°C.

Flash point: approx. 340°C. Volatiles (% in weight): 0,3.

Solubility: Soluble in hot chlorinated aromatic solvents. Insoluble in water.

## SAFETY DATA SHEET

---

### 9-STABILITY AND REACTIVITY

Reactivity:

- Product inert in contact with inorganic acids and bases, but soluble in organic solvents.

Conditions to avoid:

- Temperatures above 340°C.

Hazardous Products Generated in Case of Decomposition:

- Thermal decomposition may generate carbon monoxide, carbon dioxide, aldehydes and other organic vapours. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Aldehydes are known as irritants. Excessive exposure to decomposition products can result in headaches, nausea and irritation of the eyes, skin and respiratory tract.

### 10-TOXICOLOGICAL INFORMATION

Acute toxicity:

- Not Known.

Local Effects:

- Not Known. This product does not contain toxic substances at levels requiring customer notification.

### 11-ECOLOGICAL INFORMATION

Degradability:

- Does not undergo biodegradation.

Environmental precautions:

- Avoid contact with soil, drains and streams.
- Fully recyclable product.

### 12-DISPOSAL CONSIDERATIONS

Study the possibility of reuse.

- Can be disposed of with household waste, in compliance with local legislation.
- The product is suitable for material recycling. After appropriate recovery it can be re-melted and transformed into moulded parts. The requirement for material recycling is the collection and reuse of materials strictly of the same type.
- It may only be taken to suitable incineration facilities with reduced emission of air pollutants, bearing in mind the local official regulations.

### 13-TRANSPORT INFORMATION

This product has no special transport conditions, since it was not classified as a hazardous substance according to the 10<sup>th</sup> edition of the ONU Transport of Dangerous Goods.

### 14-REGULATORY INFORMATION

European Union Regulations (Labelling)/National Regulations- The product does not have to be labelled according to the Annex of the EC Directive.

### 15- ADDITIONAL INFORMATION

In addition to the information given in the Safety Data Sheet we refer to the product specific 'Technical Information'. The data contained in this safety data sheet are based on our current knowledge and experience and describe the product with regard to safety requirements. The data in no way describes the properties of the product (product specification).

Guarantees regarding certain properties or suitability of the product for a specific application cannot be deduced from the data in the MSDS. It is the responsibility of the recipient of our products to ensure that property rights and existing laws and regulations are observed.