

# TDS

## Technical Data Sheet

### 1. Substance Identity & Company Information

Product Material : Pelletized Low Density Polyethylene Recycled Film  
Manufacturer : PT. ECO RAMAH LESTARI  
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### 2. Component Information

General Name : Linear Low Density Polyethylene  
Chemical Name : Copolymer Etena-Butena-1  
Chemical Molecular Formula :  $C_2H_4$   
Class : Polyolefin  
Common Local Name : Pe A2  
Grade Product Name : LLDPE 2 ,

### 3. Physical and Chemical Properties

#### Physical Properties

Physical : Solid  
Color : Natural Dark Brown  
Odor : Slight  
Appearance : Oval  $\pm 2,5$ mm thickness , width 4mm  $\emptyset$   
Melting Point :  $150^{\circ}C$

#### Recommended

Temperature Proceed :  $160 - 190^{\circ}C$   
Melt Index ( $190^{\circ}C, 2.16kg$ ) : 1,6 g/10min  
Density :  $0,982 g/cm^3$   
Screening Mesh : 88-110-100

#### Mechanical Properties

Tensile Strength at Yield : 9 MPa  
Tensile Strength at Break : 25 MPa  
Elongation Break : 700%

4. Other information

LLDPE 2, are recommended for producing the general purpose film, linear packaging, Shopping Bag, Heavy duty bag, Agriculture Film, Garbage Film, Fishing Net & Rope, Pipe, product of Rotomolding and can be used for blending with HDPE as well.

Processing Condition : The recommended temperature setting is range of 170°C – 220°C for extruder and 180°C – 200°C for die zone

5. Identification of hazardous substances

|                               |  |
|-------------------------------|--|
| Hazard level of ingredients   | : This Product consists primarily of high molecular weight re-pelletized which are not expected to be hazardous  |
| Health effects on eyes        | : - In powder form can cause irritation to the outside of the eye<br>- Smoke from heating material can cause severe pain and irritation<br>- Contact with hot material when melting can cause burns  |
| Influence on skin health      | : - Basically this material is not an irritating material, but repeated contact can cause irritation<br>- Smoke from heating material can cause skin irritation and damage<br>- Contact with hot material when melting can cause burns on skin   |
| Influence on digestive health | : basically this material is not an ingredient that causes irritation, but if swallowed in large quantities, you should check to the nearest hospital  |
| Influence on respiratory      | : In powder form can cause respiratory tract irritation, when heated to 300°C, the product will change to a form of vapor or smoke that can cause respiratory tract irritation, coughing and difficulty breathing.   |
| Note                          | : In this TDS data data is correct, with completed with simply hazardous substances , even though it may be inappropriate in certain cases. we are not responsible if there is damage or accident caused by abnormal use, because it ignores instructions for use or the level of risk (danger) that exists in the nature of the product |

Further evaluation : June 2022

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