

TDS

Technical Data Sheet

1. Substance Identity & Company Information

Product Material : Pelletized Low Density Polyethylene Recycled Film
Manufacturer : PT. ECO RAMAH LESTARI
Jl. Raya Mauk km.7 no.72, Sepatan, Tangerang 15530
Banten – INDONESIA
Phone : +6221 59373306
Fax : +6221 59373307
Email : ecorplast@gmail.com

2. Component Information

General Name : Low Density Polyethylene
Chemical Name : Butene Comonomer
Chemical Molecular Formula : C₄H₈
Class : Polyolefin
Common Local Name : LD
Grade Product Name : LDSpr1

3. Physical and Chemical Properties

Physical Properties

Physical : Solid
Color : Natural Bright Tea Color
Odor : None or Slight
Pellets Form : Oval
Approximate Sizes : ±Ø5mm x 2mm
Specific Gravity : > 0,95
Melting Point : 150 – 190 °C
Melt Flow Rate : 2,27 g/10min
Density : 0,945 g/cm³
Moisture Content : 0,20%
Screening Mesh : 100-110-100

Mechanical Properties

Tensile Strength at Yield : 11 MPa
Tensile Strength at Break : 22 MPa
Elongation Break : 500%

4. Other information

LDSpr1 application : Blend Partner, general purpose film, linear packaging, , Light duty bag, Lamination Film, Agriculture Film, Garbage Film, product of Rotomolding , freezer film,

Processing Condition : The recommended temperature setting is range of 140°C – 170°C for extruder and 150°C – 160°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
- Smoke from heating material can cause severe pain and irritation
- 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
- Smoke from heating material can cause skin irritation and damage
- 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

Date of Analysis : 22 June 2022

Further evaluation : 22 Dec 2022

Issued date 22/06/22