

TDS

Technical Data Sheet

1. Substance Identity & Company Information

Product Material	: Pelletized High Density Polyethylene Recycled Color
Manufacturer	: PT. ECO RAMAH LESTARI Jl. Raya Mauk km.7 no.72, Sepatan, Tangerang 15530 Banten – INDONESIA
Phone/Fax	: +6221 59373306 / +6221 59373307
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2. Component Information

General Name	: High Density Polyethylene
Chemical Name	: Hexane Copolymer
Chemical Molecular Formula	: $(-CH_2-CH_2-)_n$
Class	: Polyolefin
Common Local Name	: HDBlow Warna
Grade Product Name	: HDTR Merah,Putih,Biru,Hijau

3. Physical and Chemical Properties

Physical Properties

Physical	: Solid
Color	: Red,White,Blue,Green, Colored from Raw Material, no additional color
Odor	: None or Slight
Appearance	: Cylindrical
Shapes Dimension	: ± 5 mm length , dia $\varnothing \pm 4-5$ mm
Melting Point	: 180 °C
Recommended	
Temperature Proceed	: 180 – 230 °C
M Index i1 (190°C/21,6kg)	: 0,042 g/10min
M Index i2 (190°C/2,16kg)	: 0,054 g/10min
Density (at 23°C)	: 0,963 g/cm ³
Screening Mesh	: 100-100

Mechanical Properties

Tensile Stress at Yield	: 26/50 MPa
Elongation Break	: > 460%

4. Other information

HDPE Blow Color are recommended for producing Small Plastic fuel tank, Packaging of Pesticides & Surfactants, General Purpose Extrusion Applications, additional composition for blow film, Shopping Bag, Pipe, some small sizes product of Roto Molding and can be used for blending with LLDPE and LDPE as well.

Processing Condition : The recommended temperature setting is range of 180°C – 230°C

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 350°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 : January 2023

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