



PT. PELITA MEKAR SEMESTA
Plastic Recycle Industry

TECHNICAL DATA SHEET

HDPE BLOWN MOULDING WHITE 02 d HDPE BLOW MOULDING WHITE



Description

High Density Polyethylene (HDPE) in white pellet, produced from post consumer HDPE bottles and jerry can.

Application

This product is suitable mostly for all blown film applications.

Product is typically used in :

- Bottles, Including for industrial chemicals or oils.
- Natural gas distribution pipe system.

Material Properties

	Test Method	Value	Unit
Physical			
Density	ISO 1183	0.95 - 0.98	g/cm ³
Ash content	ISO 3451	< 1	%
Tensile Strength	ISO 527	min 15	MPa
Elongation	ISO 527	min 100	%
Melt Temperature Range		150 - 170	°C
Rheological			
Melt Flow Rate (190 °C / 2.16 kg)	ISO 1133	0.08 - 0.50	g/10 min
Melt Flow Rate (190 °C / 5.00 kg)	ISO 1133	0.40 - 1.00	g/10 min
Other			
Moisture Content		< 1	%
Filtration		100	mesh

Recommended Processing Conditions

Hdpe Blown Moulding White 02 d can be processed in most types of blown moulding.
Recommended extrusion temperature is 160 - 200°C.

Food Contact Regulations

Hdpe Blown Moulding White 02 d a non-food grade.

Medical Applications Policy

The product mentioned herein is not tested for use in pharmaceutical/medical applications.
It is the responsibility of the final product manufacturer to determine that this product is suitable for intended use.

Storage

The product should be stored in dry conditions at temperature bellow 50°C and protected from UV-light.
Improper storage can initiate degradation, which results in odor generation and color changes and can have negative effects on physical properties of this product.

Safety

The product is not classified as a hazardous mixture.

Dust and fines from the product carry a risk of dust explosion. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. All equipment should be properly earthed.

Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning.

In-house production waste should be kept clean to facilitate direct recycling.

Note :

The information is offered solely as a guide for your consideration and investigation based on our current knowledge and experience. Product properties may be changed without notice. These properties should not be construed as binding specifications limits or minimum values. The suitability of the data for a specific processing method can only be ensured with investigations and tests by the end user.

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