

# PRODUCT DATA SHEET

# POLYETHYLENE

# FT7236

LDPE for Film

## DESCRIPTION

**FT7236** is a Low Density Polyethylene for Film extrusion produced by high pressure Tubular Technology. This product is developed for the production of packaging film with excellent optical properties.

**FT7236** contains Slip, Antiblock & Antioxidant additives.

Slip (Erucamide) 900 ppm\*  
Antiblock (Silica) 1300 ppm\*  
\* Typical values

## APPLICATIONS

High Gloss & Clarity Films  
Food Packaging

General Purpose Pouches  
Laundry Bags

## KEY FEATURES

Excellent process ability  
Easy Sealing  
Mono Layer & Co-extrusion Film

Excellent Optical Properties.  
Low COF

## PHYSICAL PROPERTIES

Property	Typical Value*	Test Method
Density	923 kg/m <sup>3</sup>	ASTM D 792
Melt Flow Rate (190°C/2.16kg)	4.0 g/10min	ASTM D1238
Melting Temperature	109 °C	ISO 11357/03
Vicat Softening Point A50 (10 N)	91 °C	ISO 306

\* Typical properties and data should not be used for specification work

## FILM PROPERTIES<sup>1</sup>

Property**	Typical Value*	Test Method
Tensile Strength at Break (MD/TD)	12/18 MPa	ISO 527-3
Elongation at Break (MD/TD)	300/600 %	ISO 527-3
Tensile Modulus (1 % Secant) (MD/TD)	180/190 MPa	ASTM D 882
Coefficient of Friction	0.15	ASTM D 1894
Gloss at 60°C (of arc)	110	ASTM D 2457
Haze	6%	ASTM D 1003
Dart Drop	80 g	ASTM D 1709/A
Tear Strength (MD/TD)	2/2 N	ASTM D 1922

<sup>1</sup> Film properties: 40µm, BUR=3:1, Die gap 1.2mm

\* Typical properties and data should not be used for specification work

\*\* The film properties are dependent on extrusion conditions.

## PROCESSING CONDITIONS

**FT7236** can be processed in most types of blown film equipment such as LDPE, LLDPE or HDPE extruders.

Recommended processing conditions:

Melt temperature:	150 - 170°C
Die gap:	>1.0 mm
FLH:	>2 DD
BUR:	>2:1

## FOOD CONTACT REGULATIONS

**FT7236** fulfils the food contact regulations in most countries. If required, contact your Borouge representative for a certificate.

## STORAGE

This 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 odour generation and colour changes and can have negative effects on physical properties of this product.

More information on storage can be found in Safety Information Sheet (SIS) for this product.

## SAFETY

The product is not classified as a hazardous mixture.

Dust and fines from the product carry a risk of dust explosion. All equipment should be properly earthed. Inhalation of dust should be avoided as it may cause irritation of the respiratory system. Small amounts of fumes are generated during processing of the product. Proper ventilation is therefore required.

Please see our Safety Information Sheet (SIS) for details on various aspects of safety, recovery and disposal of the product, for more information contact your Borouge representative.

## 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.

## RELATED DOCUMENTS

The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.

Safety Information Sheet  
Statement on chemicals, regulations and standards  
Statement on compliance to regulations for drinking water pipes

## DISCLAIMER

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