

## Product Data Sheet

# Polyethylene

## FT5236

LDPE for Film

### DESCRIPTION

**FT5236** is a Low Density Polyethylene for Film extrusion produced by high pressure Tubular technology.

This grade is developed for the production of packaging film with good optical properties for medium duty film applications.

**FT5236** contains Slip, Antiblock & Antioxidant additives.

### APPLICATIONS

Lamination Films	Agriculture Film (incl. Greenhouse Film)
FFS Bags	FIBC Liners
Liquid Packaging	Carrier Bag film
General Purpose pouches	

### SPECIAL FEATURES

Easy process ability	Good Optical properties
Good seal properties	Low COF
Mono layer & co-extrusion films	

### PHYSICAL PROPERTIES

Property	Typical Value	Unit	Test Method
Density	923	Kg/m <sup>3</sup>	ASTM D 792
Melt Flow Rate MFR (190°C/2.16 kg)	0.75	g/10min	ASTM D1238
Melting Temp.	112	°C	ISO 11357/03
Vicat softening temperature A50 ( 10N )	96	°C	ISO 306

\*Data should not be used for specification work

**FILM PROPERTIES**

Property		Typical Value	Unit	Test Method
Tensile Strength at Break	MD/TD	27/24	MPa	ISO 527-3
Elongation at Break	MD/TD	250/550	%	ISO 527-3
Tensile Modulus	MD/TD	200/230	MPa	ASTM D 882
Coefficient of Friction		0.2	-	ASTM D 1894
Gloss at 60 degree (of arc )		85		ASTM D 2457
Haze		8	%	ASTM D 1003
Dart Drop		120	g	ASTM D 1709/A
Tear Strength	MD/TD	4/2	N	ASTM D 1922

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

Film properties: 40µm, BUR=2.5:1, Die gap 1.2mm

**PROCESSING GUIDELINES**

**FT5236** can be processed easily on most types of blown film equipment such as LDPE, LLDPE or HDPE extruders.

Recommended processing conditions:

Melt temperature      160 –190°C  
 Die gap                      > 1.0 mm  
 FLH:                         > 2 DD  
 BUR:                         > 2:1

**FOOD CONTACT REGULATIONS**

**FT5236** fulfils the food contact regulations in most countries. If required, contact your Borouge representative for a certificate.

**STORAGE**

The product should be stored in dry conditions at temperatures below 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 the physical properties of this product.

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



## FT5236

### 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.

A Safety Information Sheet is available on request. Please contact your Borouge representative for more details on various aspects of safety, recovery and disposal of the product.

### 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

Most datasheets and statements are available on Borouge website [www.borouge.com](http://www.borouge.com). If more information is required, please contact a Borouge representative for information.

### DISCLAIMER

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