

# PRODUCT DATA SHEET



## Description

**FT3200** is a Low Density Polyethylene for Film Extrusion. Tubular Technology. Unmodified.

**CAS-No.** 9002-88-4

## Applications

**FT3200** is recommended for:

Heavy-duty bags  
Shrink film

Construction films  
Agricultural films

## Additives

**FT3200** contains no additives.

## Special Features

**FT3200** is optimised to deliver:

Excellent shrink performance

## Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	920 kg/m <sup>3</sup>	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	0,25 g/10min	ISO 1133
Melting temperature (DSC)	110 °C	ISO 11357-3
Vicat softening temperature A,	92 °C	ISO 306

## Film Properties

Film properties are measured on 125 µm sample produced on a 60 mm W&H extruder with IBC cooling at BUR = 1:2,5.

MD = machine direction, TD = transverse direction.

Property	Typical Value	Test Method
Data should not be used for specification work		
Dart Drop	500 g	ISO 7765-1
Tensile Strain at Break	MD 400 %	ISO 527-3
Tensile Strain at Break	TD 600 %	ISO 527-3
Tensile Strength	MD 25 MPa	ISO 527-3
Tensile Strength	TD 26 MPa	ISO 527-3
Tensile Modulus <sup>1</sup>	MD 160 MPa	ASTM D 882-A
Tensile Modulus	TD 160 MPa	ASTM D 882-A

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Tear resistance (Elmendorf)	MD 4 N	ISO 6383/2
	TD 7 N	
Coefficient of friction (Dynamic)	0,7	ISO 8295

<sup>1</sup> MD = machine direction, TD = transverse direction.

### Storage

**FT3200** 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 is found in our "Safety data sheet" / "Product safety information sheet".

### Safety

The product is not classified as dangerous. Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis 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 data sheet" / "Product safety information sheet"

Statement on chemicals, regulations and standards

General statement on compliance to food contact regulations

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