

PRODUCT DATA SHEET

27.10.2016 Ed.1



Polyethylene FT3200

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 ³	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 ¹	MD 160 MPa	ASTM D 882-A
Tensile Modulus	TD 160 MPa	ASTM D 882-A

Borealis AG | Wagramer Strasse 17-19 | 1220 Vienna | Austria
Telephone +43 1 224 00 0 | Fax +43 1 22 400 333
FN 269858a | CCC Commercial Court of Vienna | Website www.borealisgroup.com

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Tear resistance (Elmendorf)

MD 4 N
TD 7 N
0,7

ISO 6383/2

Coefficient of friction (Dynamic)

ISO 8295

¹ 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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The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.

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