Polyethylene
FT6230

Low Density Polyethylene

Description

FT6230 is a unmodified low density polyethylene based on the tubular technology for film extrusion. This grade is developed for the production of packaging film with good optical properties for medium duty film applications.

CAS-No. 9002-88-4

Applications

FT6230 is designed for:

Pouches
Food packaging
Shrink film
Automated packaging

Additives

FT6230 contains no additives.

Special Features

Very good optical properties

Physical Properties

Property	Typical Value Data should not be used for specification work	Test Method
Density (Base Resin) (23 °C)	923 kg/m³	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	2 g/10min	ISO 1133
Melting temperature (DSC)	111 °C	ISO 11357-3
Vicat softening temperature A	95 °C	ISO 306

Film Properties

Film properties are measured on 40 µm film sample produced on a 60 mm W&H extruder with IBC cooling at BUR = 2,5:1.
MD = machine direction, TD = transverse direction.

Property		Typical Value Data should not be used for specification work	Test Method
Dart Drop		100 g	ISO 7765-1
Haze		8 %	ASTM D 1003
Gloss		90	ASTM D 2457
Tensile Strain at Break	MD	300 %	ISO 527-3
Tensile Strain at Break	TD	600 %	ISO 527-3
Tensile Strength	MD	25 MPa	ISO 527-3
Tensile Strength	TD	20 MPa	ISO 527-3
Tensile Modulus	MD	180 MPa	ASTM D 882-A
Tensile Modulus	TD	190 MPa	ASTM D 882-A
Tear resistance (Elmendorf)	MD	3 N	ISO 6383-2
	TD	2 N	
Coefficient of friction (Dynamic)		0,6	ISO 8295

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Research Center Tel.+188 1699 6168

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Storage
FT6230 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.

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 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.

Statement on compliance to food contact regulations
"Safety data sheet" / "Product safety information sheet"
Statement on chemicals, regulations and standards
Statement on Origin of Raw Materials

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Issuer:
Marketing Consumer Products / Mari Kylmala
Product Management / Jenny Wang

Disclaimer

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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