

Borealis PE FT6230

Low Density Polyethylene

Borealis AG

Message:

FT6230 is a tubular, low density, polyethylene grade for the production of packaging film. FT6230 is developed to give films with good optical properties for thin film applications.

FT6230 is intended for applications like:

Films for use on automated packaging machinery

Pouches

Fine shrink films

Food packaging films

FT6230 contains no additives.

General Information			
Features	Low density		
	Optical		
	Recyclable materials		
	Workability, good		
Uses	Films		
	Food packaging		
	Shrinkable film		
Forms	Particle		
Processing Method	Blow film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic)	0.60		ISO 8295
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 40 µm	180	MPa	ASTM D882
TD : 40 µm	190	MPa	ASTM D882
Tensile Strength			ISO 527-3
MD : 40 µm	25.0	MPa	ISO 527-3
TD : 40 µm	20.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
MD: Break, 40 µm	300	%	ISO 527-3
TD: Break, 40 µm	600	%	ISO 527-3

Dart Drop Impact (40 μm)	100	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 40 μm	3.0	N	ISO 6383-2
TD : 40 μm	2.0	N	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ISO 306/A50
Melting Temperature (DSC)	111	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Gloss (1020 μm)	90		ASTM D2457
Haze (1020 μm)	8.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 - 180	°C	
Extrusion instructions			

Blow Up Ratio: 1:2.5

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

