

Borealis PE FT3200

Low Density Polyethylene

Borealis AG

Message:

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

General Information			
Features	Additive Free		
	Good Processability		
	Good Strength		
	Low Density		
	Recyclable Material		
Uses	Agricultural Applications		
	Construction Applications		
	Film		
	Heavy-duty Bags		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic, Blown Film)	0.70		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Puncture Energy ¹ (130 µm)	7.00	J	
Film Puncture Force ² (130 µm)	170	N	
Secant Modulus			ASTM D882A
MD : 130 µm, Blown Film	160	MPa	
TD : 130 µm, Blown Film	160	MPa	
Tensile Strength			ISO 527-3
MD : 130 µm, Blown Film	25.0	MPa	
TD : 130 µm, Blown Film	26.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	400	%	

TD : Break	600	%	
Dart Drop Impact (130 µm, Blown Film)	500	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 130 µm, Blown Film	4.0	N	
TD : 130 µm, Blown Film	7.0	N	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	ISO 306/A
Melting Temperature	110	°C	ISO 11357-3
NOTE			
1.	Blown Film		
2.	Blown Film		

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