

Borealis PE FA6220

Low Density Polyethylene

Borealis AG

Message:

FA6220 is a Low Density Polyethylene for Film Extrusion. Autoclave Technology. Includes Antioxidant. This grade is developed for the production of thin blown films.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Autoclavable		
Uses	Film		
	Foam		
	Packaging		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic)	0.90		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Film Puncture Energy (40 µm)	1.30	J	ASTM D5748
Secant Modulus			ASTM D882A
MD : 40 µm	200	MPa	
TD : 40 µm	210	MPa	
Tensile Strength			ISO 527-3
MD : 40 µm	26.0	MPa	
TD : 40 µm	20.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 40 µm	350	%	
TD : Break, 40 µm	600	%	
Dart Drop Impact (40 µm)	100	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2

MD : 40 μm	5.0	N	
TD : 40 μm	3.0	N	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	111	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (40.0 μm)	85		ASTM D2457
Haze (40.0 μm)	7.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 180	°C	

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