

# Borealis PE FA7220

Low Density Polyethylene

Borealis AG

## Message:

FA7220 is a Low Density Polyethylene for Film Extrusion. Autoclave Technology. Includes Antioxidant.  
This grade is developed for production of blown film or cast film with good optical properties. When cast on a polished chill roll, the grade produces household cling film with excellent optical and cling properties.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Autoclavable		
	High Cling		
	Opticals		
Uses	Cast Film		
	Film		
	Laundry Bags		
	Packaging		
	Textile Applications		
Forms	Pellets		
Processing Method	Blown Film		
	Cast Film		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic)	0.80		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	ASTM D882A
Secant Modulus			
MD : 40 µm	200	MPa	
TD : 40 µm	180	MPa	ISO 527-3
Tensile Strength			
MD : 40 µm	24.0	MPa	
TD : 40 µm	18.0	MPa	ISO 527-3
Tensile Elongation			

MD : Break, 40 μm	400	%	
TD : Break, 40 μm	650	%	
Dart Drop Impact (40 μm)	80	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 40 μm	3.0	N	
TD : 40 μm	2.0	N	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	111	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (40.0 μm)	110		ASTM D2457
Haze (40.0 μm)	6.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 180	°C	

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#### Recommended distributors for this material

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