

Borealis PE FA7224

Low Density Polyethylene

Borealis AG

Message:

Borealis PE FA7224 is a low density polyethylene product. It can be processed by extrusion and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The application fields of Borealis PE FA7224 include bags/linings and textiles/fibers.

Features include:

Antiblock software

slide

Antioxidants

beautiful

General Information			
Additive	Erucamide Lubricating Additive (700 ppm)		
	Anti-caking agent (1100 ppm) 2		
	Antioxidation		
Features	smoothness		
	Optical		
	Antioxidation		
	Moderate caking resistance		
Uses	Bags		
	Textile applications		
	Laundry bag		
Forms	Particle		
Processing Method	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)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (vs. Itself - Dynamic)	0.15		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
secant modulus			ASTM D882A
MD : 40 µm	200	MPa	ASTM D882A
TD : 40 µm	180	MPa	ASTM D882A
Tensile Strength			ISO 527-3
MD : 40 µm	20.0	MPa	ISO 527-3
TD : 40 µm	18.0	MPa	ISO 527-3

Tensile Elongation			ISO 527-3
MD: Break, 40 μm	400	%	ISO 527-3
TD: Break, 40 μm	650	%	ISO 527-3
Dart Drop Impact (40 μm)	80	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
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	140 - 180	°C	
Extrusion instructions			
Drawn Down: 15-20 micron			

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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



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