Borealis PE FA3227

Low Density Polyethylene

Borealis AG

Message:

FA3227 is a low density polyethylene produced in a high-pressure process.
FA3227 is a Low Density Polyethylene for Film Extrusion, UV stabilised.
This grade is suitable for building and construction film and meets the requirements for heat, alkali and UV resistance described in the building standards from the Nordic countries. A 150-micron film based upon FA3227 will last at least four times as long as an unstabilised film of the same thickness.

General Information			
Additive	UV stabilizer		
Features	Good UV resistance Recyclable materials High pressure heating resistance alkali resistance		
Uses	Films Lining Architectural application field Shrinkable film Heavy packing bag		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	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**
Film Thickness - Tested	130	µm	
Film Puncture Energy (130 µm)	5.00	J	ASTM D5748
secant modulus			ASTM D882A
MD : 130 µm	190	MPa	ASTM D882A
TD : 130 µm	190	MPa	ASTM D882A
Tensile Strength			ISO 527-3/22
MD : 24°C, 130 µm	25.0	MPa	ISO 527-3/22
TD : 24°C, 130 µm	23.0	MPa	ISO 527-3/22
Tensile Elongation			ISO 527-3
MD: Fracture, 130 µm	400	%	ISO 527-3

TD: Fracture, 130 µm	600	%	ISO 527-3
Dart Drop Impact (130 µm)	450	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD : 130 µm	5.0	N	ISO 6383-2
TD : 130 µm	6.0	N	ISO 6383-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	110	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 220	°C	
Extrusion instructions			

Draw down: 70 to 75µm

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