

Borstar® FB1350

Medium Density Polyethylene

Borealis AG

Message:

Borstar FB1350 is a linear medium density polyethylene grade combining excellent extrusion properties with high film stiffness.

Borstar FB1350 is well suited for mono- and coextrusion of films produced with high neck or low neck extrusion.

Borstar FB1350 contains antioxidant.

General Information	
Additive	Antioxidation
Features	Rigidity, high
	Antioxidation
	Recyclable materials
Uses	Geo Membranes
	Packaging
	Films
	Bags
	Mixing
	Heavy packing bag
Forms	Particle
Processing Method	Co-extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	15	g/10 min	ISO 1133
190°C/5.0 kg	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.40		ISO 8295
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Modulus			ISO 527-3
MD	500	MPa	ISO 527-3
TD	650	MPa	ISO 527-3
Tensile Strength			ISO 527-3
MD	57.0	MPa	ISO 527-3
TD	48.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3

MD: Fracture	400	%	ISO 527-3
TD: Fracture	650	%	ISO 527-3
Dart Drop Impact	150	g	ISO 7765-1
Elmendorf Tear Strength			ISO 6383-2
MD	12.0	kN/m	ISO 6383-2
TD	290.0	kN/m	ISO 6383-2
Puncture Resistance - Energy to Resist	150	J/cm	ISO 7765-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	127	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (20°)	5		ASTM D2457
Haze	80	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	190 - 210	°C	
Extrusion instructions			

Die Gap: 1.2 to 1.5 mm

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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

