

Borealis Borstar® FB1460 HDPE for Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

Borstar FB1460 is a high-density polyethylene film grade, which combines superior physical properties with excellent processability. Due to the high density, the material properties are best utilized by processing at HDPE conditions. Film made of Borstar FB1460 gives a strong and stiff film with high consistency. Borstar FB1460 contains antioxidant. Borstar FB1460 is particularly suitable for applications where outstanding and well-balanced mechanical properties are required, such as industrial liners, carrier bags and heavy duty bags. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borstar-FB1460-HDPE-for-Film.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ISO 1183
Melt Flow	0.20 g/10 min	0.20 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
High Load Melt Index	6.0 g/10 min	6.0 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ISO 527-3
Film Elongation at Break, TD	450 %	450 %	ISO 527-3
Secant Modulus, MD	0.600 GPa	87.0 ksi	0.05-1.05%; ISO 527-3
Secant Modulus, TD	0.700 GPa	102 ksi	0.05-1.05%; ISO 527-3
Impact	38	38	Puncture Resistance, force (N); ASTM 5748
Puncture Energy	1.50 J	1.11 ft-lb	ASTM 5748
Tear Strength, Total	0.200 N	0.0450 lb (f)	MD; ISO 6383/2
	1.00 N	0.225 lb (f)	TD; ISO 6383/2
Elmendorf Tear Strength, MD	1.36 g/micron	34.5 g/mil	ISO 6383/2
Elmendorf Tear Strength, TD	20.38 g/micron	517.7 g/mil	ISO 6383/2
Dart Drop	30.0 g/micron	762 g/mil	ISO 7765/1
Film Tensile Strength at Break, MD	75.0 MPa	10900 psi	ISO 527-3

Mechanical Properties	Metric	English	Comments
Impact Strength, Charpy, TD	1200 J/m ²	1200 J/m ²	
Thermal Properties	Metric	English	Comments
Melting Point	>= 131 °C	>= 268 °F	ISO 11357/03
Vicat Softening Point	125 °C	257 °F	A (10N); ISO 306

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China