

Borealis BL1481 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

BL1481 is a semi high molecular weight polyethylene comprising an extra ordinary ESCR and very good chemical resistance This product is intended for blow molding. This grade is available in granular form. Applications: containers from 1 liters up to 30 liters for storage and transport for dangerous goods, and containers intended for transport of dangerous goods according to UN regulations. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BL1481-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	300 hour	300 hour	Antarox 10%, F50; ASTM D1693-A
Melt Flow	7.0 g/10 min @Load 21.6 kg, Temperature 190 °C	7.0 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength, Yield	24.0 MPa	3480 psi	50mm/min; ISO 527-2
Elongation at Yield	10 %	10 %	50mm/min; ISO 527-2
Tensile Modulus	1.00 GPa	145 ksi	1mm/min; ISO 527-2
Flexural Modulus	1.05 GPa	152 ksi	1mm/min; ISO 178
Charpy Impact, Notched	2.00 J/cm ² @Temperature -20.0 °C	9.52 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	2.50 J/cm ² @Temperature 23.0 °C	11.9 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.0 °C	169 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	190 - 220 °C	374 - 428 °F	

Die Temperature Processing Properties	180 - 220 °C Metric	356 - 428 °F English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	

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