

## Borealis BL2571 High Density Polyethylene

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

### Material Notes:

BL2571 is a high-density polyethylene with high stiffness and high environmental stress crack resistance. This product is intended for blow molding. Applications: household and chemical containers such as detergents, cleaners, motor oils, and Industrial chemicals, bottles and containers up to 10 liters. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-BL2571-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Borealis-BL2571-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.957 g/cc	0.0346 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	40 hour	40 hour	Antarox 10%, F50; ASTM D1693-A
Melt Flow	0.20 g/10 min	0.20 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	1.0 g/10 min	1.0 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	23 g/10 min	23 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ISO 868
Tensile Strength, Yield	29.0 MPa	4210 psi	50mm/min; ISO 527-2
Elongation at Yield	8.0 %	8.0 %	50mm/min; ISO 527-2
Tensile Modulus	1.25 GPa	181 ksi	1mm/min; ISO 527-2
Flexural Modulus	1.35 GPa	196 ksi	1mm/min; ISO 178

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 °C	172 °F	ISO 75-2

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

Processing Properties	Metric <sup>180 - 220 °C</sup>	English <sup>356 - 428 °F</sup>	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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