

## Borealis BS2581 High Density Polyethylene for Blow Molding

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

### Material Notes:

BS2581 is a high density polyethylene intended for blow molding products with high stiffness and very good environmental stress crack resistance (ESCR). Applications: industrial chemicals, household and chemical containers such as detergents, cleaners, motor oils, and other 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-BS2581-High-Density-Polyethylene-for-Blow-Molding.php](http://www.lookpolymers.com/polymer_Borealis-BS2581-High-Density-Polyethylene-for-Blow-Molding.php)

Physical Properties	Metric	English	Comments
Density	0.958 g/cc	0.0346 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	100 hour	100 hour	Antarox 10%, F50; ASTM D1693-A
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	1.3 g/10 min	1.3 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	ISO 1133
	28 g/10 min	28 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	65	65	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	1.30 GPa	189 ksi	1mm/min; ISO 527-2
Flexural Modulus	1.40 GPa	203 ksi	1mm/min; ISO 178

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	170 - 190 °C	338 - 374 °F	

Processing Properties	Metric <sup>175 - 190 °C</sup>	English <sup>347 - 374 °F</sup>	Comments
Melt Temperature	170 - 200 °C	338 - 392 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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