

Borealis Borstar® ME3444 Blue Medium Density Polyethylene for Drinking Water Pipes

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Extruded

Material Notes:

Borstar 3444 is a blue, bimodal, medium density polyethylene classified as a MRS 8.0 material (PE80) produced with the advanced Borstar technology. A combination of pigments and stabilizers is included which ensures excellent long-term thermal stability and UV-resistance. It also shows excellent resistance to rapid crack growth propagation and slow crack growth. Borstar 3444 is recommended for pressure pipe systems in the application field of drinking water. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borstar-ME3444-Blue-Medium-Density-Polyethylene-for-Drinking-Water-Pipes.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in³	ISO 1183
Environmental Stress Crack Resistance	>= 2000 hour @Temperature 80.0 °C	>= 2000 hour @Temperature 176 °F	At 8 bar; ISO 13479
Melt Flow	0.90 g/10 min @Load 5.00 kg, Temperature 190 °C	0.90 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.00 MPa	2755 psi	ISO 527-2
Tensile Modulus	0.800 GPa	116 ksi	ISO 527-2

Processing Properties	Metric	English	Comments
Front Barrel Temperature	180 - 210 °C	356 - 410 °F	
Die Temperature	200 - 210 °C	392 - 410 °F	
Melt Temperature	200 - 220 °C	392 - 428 °F	
Head Temperature	200 - 210 °C	392 - 410 °F	

Descriptive Properties	Value	Comments
Resistance to Rapid Crack Propagation, BAR	6	ISO 13477, Pc at 0°C, S4 / pipe size 110 mm SDR 11

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