

Borealis Borstar® HE6063 Natural Bimodal HD Polyethylene Compound for Jacketing of Communication and Power Cables

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

Material Notes:

Borstar HE6063 is a natural, colorable, bimodal, high-density polyethylene compound, produced using the Borstar process, for jacketing of power and telecommunications cables. It is characterized by its tailor-made properties important in jacketing applications i.e. low shrink back, excellent stress crack resistance, and wide processing window. Borstar HE6063 contains a well dispersed UV-stabilizer in sufficient amount to ensure excellent weathering resistance, corresponding to minimum 15 years exposure in continental European climate. Borstar HE6063 meets the applicable requirements as below when processed using sound extrusion practice and testing procedure. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borstar-HE6063-Natural-Bimodal-HD-Polyethylene-Compound-for-Jacketing-of-Communication-and-Power-Cables.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	Base Resin; ASTM D792
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238/E

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Tensile Strength, Yield	13.8 MPa	2000 psi	At 50 mm/min; ASTM D638
Elongation at Break	700 %	700 %	At 50 mm/min; ASTM D638
Flexural Modulus	0.850 GPa	123 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	>= 19.7 kV/mm	>= 500 kV/in	At 50 mils; ASTM D3755

Descriptive Properties	Value	Comments
Pressure Test at High Temp	<10%	IEC 60811-3-1, Pressure Test at High Temperature (115°C, 6 hours)

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