

## Borealis Borstar® HE6062 HDPE Black Jacketing Compound

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

### Material Notes:

Borstar HE6062 is a black, bimodal co-polymer high density polyethylene (HDPE) compound produced using the Borealis Borstar process. It is characterized by balanced properties important in jacketing applications (i.e. low shrink-back, excellent stress-crack resistance, good melt strength and a wide processing window.) If however further reduction in shrink-back is required, please refer to the higher melt index Borstar grade HE6067 HDPE. Borstar HE6062 is especially well suited for jacketing of communications and power cables. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Borstar-HE6062-HDPE-Black-Jacketing-Compound.php](http://www.lookpolymers.com/polymer_Borealis-Borstar-HE6062-HDPE-Black-Jacketing-Compound.php)

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in <sup>3</sup>	Base; ASTM D792
	0.958 g/cc	0.0346 lb/in <sup>3</sup>	Compound; ASTM D792
ESCR 10% Igepal®	>= 2000 hour	>= 2000 hour	ASTM D1693/B
	@Temperature 50.0 °C	@Temperature 122 °F	
Absorption Coefficient	>= 400	>= 400	In kilo; ASTM D3349
Carbon Black Loading	2.5 %	2.5 %	ASTM D1603
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238/E
	@Load 2.16 kg	@Load 4.76 lb	
	2.0 g/10 min	2.0 g/10 min	ASTM D1238/P
	@Load 5.00 kg	@Load 11.0 lb	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Tensile Strength, Ultimate	>= 25.0 MPa	>= 3630 psi	ASTM D638
Elongation at Break	>= 700 %	>= 700 %	ASTM D638
Flexural Modulus	0.850 GPa	123 ksi	ASTM D790/1

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= 76.0 °C	<= 169 °F	ASTM D746

Electrical Properties	Metric	English	Comments
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Electrical Resistivity Electrical Properties	1.00e+16 ohm-cm Metric	1.00e+16 ohm-cm English	ASTM D257 Comments
Dielectric Strength	>= 19.7 kV/mm	>= 500 kV/in	At 50 mils; ASTM D149

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	>= 235 °C	>= 455 °F	
Front Barrel Temperature	>= 180 °C	>= 356 °F	
Head Temperature	>= 235 °C	>= 455 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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