

## Borealis Borecene Compact™ RM8346RC Black Linear Polyethylene for Rotational Molding

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

### Material Notes:

Borecene Compact RM8346RC is a third generation linear medium density black polyethylene for rotational molding. Borecene RM8346RC is a special grade, which has passed rigorous tests and can be considered as a possible replacement for crosslinkable polyethylene in many applications. The narrow molecular weight imparted through metallocene catalyst technology provides an ideal balance of flow and physical properties. Borecene Compact RM8346RC is a black version of Borecene RM8346RC, suitable for fuel tanks. Borecene Compact RM8346 is delivered as new technology powder. Borecene Compact RM8346RC contains 1.0% Carbon Black, which is compounded into the polymer. In addition the grade contains an UV stabilizer which gives excellent UV-stability. The polymer contains long-term antioxidant. Information provided by the Manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-Borecene-Compact-RM8346RC-Black-Linear-Polyethylene-for-Rotational-Molding.php](http://www.lookpolymers.com/polymer_Borealis-Borecene-Compact-RM8346RC-Black-Linear-Polyethylene-for-Rotational-Molding.php)

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in <sup>3</sup>	Base Resin; ASTM D1505
ESCR 10% Igepal®	>= 200 hour	>= 200 hour	ARM Method
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 190 °C	6.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.3 MPa	2800 psi	At 50 mm/min; ASTM D683 IV
Flexural Modulus	0.558 GPa	81.0 ksi	At 2 mm/min; ASTM D790
Dart Drop Total Energy	200.0 J/cm	0.3746 ft-lb/mil	(-40F/-20°C); ASTM D3763
Dart Drop	152 g/micron	3860 g/mil	Instrumented Falling Weight (-4°F/-20°C); ASTM D3763

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	ASTM D648
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

## 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