

## Clariant Renol BR4014BK ABS, High Gloss, Black

Category : Polymer , Thermoplastic , ABS Polymer

### Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-BR4014BK-ABS-High-Gloss-Black.php](http://www.lookpolymers.com/polymer_Clariant-Renol-BR4014BK-ABS-High-Gloss-Black.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Temperature 22.8 °C	3.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.8 °C	190 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D149
Dielectric Strength	15.7 kV/mm	400 kV/in	ASTM D150

Processing Properties	Metric	English	Comments
Melt Temperature	216 - 249 °C	420 - 480 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.345 - 1.72 MPa	50.0 - 250 psi	

Processing Properties	Metric	English	Comments
Screw Speed	20 - 100 rpm	20 - 100 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

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