

## Clariant Renol PA143G10 Nylon 6/66 Copolymer, 10% Glass Fiber, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66 , Nylon 66/6 , 10% Glass Fiber Reinforced

### Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-PA143G10-Nylon-666-Copolymer-10-Glass-Fiber-Heat-Stabilized.php](http://www.lookpolymers.com/polymer_Clariant-Renol-PA143G10-Nylon-666-Copolymer-10-Glass-Fiber-Heat-Stabilized.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.005 - 0.008 cm/cm	0.005 - 0.008 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	103 MPa	15000 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	165 MPa	24000 psi	ASTM D790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Temperature 22.8 °C	0.800 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	240 °C	464 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	271 - 299 °C	520 - 570 °F	
Mold Temperature	79.4 - 107 °C	175 - 225 °F	
Dry Time	2 - 4 hour @Temperature 79.4 °C	2 - 4 hour @Temperature 175 °F	to ensure moisture content is less than 0.2%
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.

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