

## Clariant Renol 66G33HSL Nylon 66, 33% Glass Fiber Reinforced, Heat Stabilized, Lubricated

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

### Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-66G33HSL-Nylon-66-33-Glass-Fiber-Reinforced-Heat-Stabilized-Lubricated.php](http://www.lookpolymers.com/polymer_Clariant-Renol-66G33HSL-Nylon-66-33-Glass-Fiber-Reinforced-Heat-Stabilized-Lubricated.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	ASTM D790
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	145 MPa	21000 psi	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Temperature 22.8 °C	1.20 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	253 °C	488 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	248 °C	478 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	271 - 293 °C	520 - 560 °F	
Mold Temperature	79.4 - 93.3 °C	175 - 200 °F	
Dry Time	2 - 4 hour @Temperature 71.1 °C	2 - 4 hour @Temperature 160 °F	to eliminate surface defects
Injection Pressure	4.96 - 8.27 MPa	720 - 1200 psi	Secondary
	8.27 - 13.8 MPa	1200 - 2000 psi	Initial
Back Pressure	0.000 - 0.345 MPa	0.000 - 50.0 psi	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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