

## Clariant Renol PA1SP0019 Nylon 66/PPS Alloy, 20% Glass, 20% Mineral

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , Glass/Mineral Filled , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Mineral/Glass-Fiber Filled

**Material Notes:**

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-PA1SP0019-Nylon-66PPS-Alloy-20-Glass-20-Mineral.php](http://www.lookpolymers.com/polymer_Clariant-Renol-PA1SP0019-Nylon-66PPS-Alloy-20-Glass-20-Mineral.php)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	138 MPa	20000 psi	ASTM D638
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	0.534 - 0.801 J/cm @Temperature 22.8 °C	1.00 - 1.50 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	260 - 263 °C	500 - 505 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	254 - 257 °C	490 - 495 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	293 - 316 °C	560 - 600 °F	
Mold Temperature	93.3 - 121 °C	200 - 250 °F	
Dry Time	<= 4 hour @Temperature 93.3 °C	<= 4 hour @Temperature 200 °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	0.552 - 0.862 MPa	80.0 - 125 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	60 - 100 rpm	60 - 100 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

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