

**Clariant Renol PPSSP0006 Polyphenylene Sulfide, Glass Fiber, PTFE Lubricated**

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), PTFE/Glass-Fiber Filled

**Material Notes:**

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-PPSSP0006-Polyphenylene-Sulfide-Glass-Fiber-PTFE-Lubricated.php](http://www.lookpolymers.com/polymer_Clariant-Renol-PPSSP0006-Polyphenylene-Sulfide-Glass-Fiber-PTFE-Lubricated.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.62 g/cc	1.62 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	138 MPa	20000 psi	ASTM D638
Flexural Yield Strength	172 MPa	25000 psi	ASTM D790
Flexural Modulus	9.65 GPa	1400 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Temperature 22.8 °C	1.10 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	260 °C	500 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	299 - 321 °C	570 - 610 °F	
Mold Temperature	51.7 - 79.4 °C	125 - 175 °F	
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	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 50 rpm	20 - 50 rpm	

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