

## Clariant Renol PPSP0006HW Polypropylene Homopolymer, Heavy Weight Compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Data provided by Clariant Masterbatches

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Clariant-Renol-PPSP0006HW-Polypropylene-Homopolymer-Heavy-Weight-Compound.php](http://www.lookpolymers.com/polymer_Clariant-Renol-PPSP0006HW-Polypropylene-Homopolymer-Heavy-Weight-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.60 g/cc	2.60 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.7 MPa	3150 psi	ASTM D638
Flexural Yield Strength	36.5 MPa	5300 psi	ASTM D790
Flexural Modulus	5.72 GPa	830 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm @Temperature 22.8 °C	0.400 ft-lb/in @Temperature 73.0 °F	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 221 °C	375 - 430 °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	0.345 - 1.72 MPa	50.0 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

### Contact Songhan Plastic Technology Co.,Ltd.

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