

Clariant Renol PPSP0017 Polypropylene, Static Dissipative

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-PPSP0017-Polypropylene-Static-Dissipative.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.7 MPa	3000 psi	ASTM D638
Flexural Modulus	1.38 GPa	200 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm @Temperature 22.8 °C	5.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1e+05 - 1.00e+7 ohm-cm	1e+05 - 1.00e+7 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 221 °C	380 - 430 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Dry Time	2 - 4 hour @Temperature 79.4 °C	2 - 4 hour @Temperature 175 °F	to ensure moisture level is less than 0.10%
Injection Pressure	41.4 - 74.5 MPa	6000 - 10800 psi	Secondary
	68.9 - 103 MPa	10000 - 15000 psi	Initial
Back Pressure	1.38 - 1.72 MPa	200 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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