

Clariant Renol PP1112AS10 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-PP1112AS10-Polypropylene-Static-Dissipative.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.930 g/cc	0.930 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.2 MPa	5400 psi	ASTM D638
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Izod Impact, Notched	0.267 J/cm @Temperature 22.8 °C	0.500 ft-lb/in @Temperature 73.0 °F	ASTM D256

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 210 °C	360 - 410 °F	
Mold Temperature	21.1 - 37.8 °C	70.0 - 100 °F	
Dry Time	2 - 4 hour @Temperature 121 °C	2 - 4 hour @Temperature 250 °F	to ensure moisture level 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	0.345 - 1.72 MPa	50.0 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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