

Clariant Renol PPT10 Polypropylene Copolymer, Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-PPT10-Polypropylene-Copolymer-Talc-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.980 g/cc	0.980 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	ASTM D955
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.2 MPa	3800 psi	ASTM D638
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 221 °C	380 - 430 °F	
Mold Temperature	51.7 - 65.6 °C	125 - 150 °F	
Dry Time	2 - 4 hour	2 - 4 hour	to avoid surface defects
	@Temperature 71.1 °C	@Temperature 160 °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 - 1.72 MPa	0.000 - 250 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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