

Clariant Renol PPT20BN-346 Polypropylene Copolymer, Talc Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Talc Filler

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Renol-PPT20BN-346-Polypropylene-Copolymer-Talc-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.012 cm/cm	0.012 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	ASTM D638
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Temperature 22.8 °C	1.00 ft-lb/in @Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.7 °C	170 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	25.0 °C	77.0 °F	ASTM D648

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 @Temperature 71.1 °C	2 - 4 hour @Temperature 160 °F	to avoid surface defects
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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