

Clariant Remafin PP1100NAT Polypropylene Impact Modified Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Data provided by Clariant Masterbatches

Order this product through the following link:

http://www.lookpolymers.com/polymer_Clariant-Remafin-PP1100NAT-Polypropylene-Impact-Modified-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792
Melt Flow	18 g/10 min	18 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Flexural Modulus	0.800 GPa	116 ksi	ASTM D790
Izod Impact, Notched	1.02 J/cm	1.91 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	76.1 °C	169 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	191 - 221 °C	375 - 430 °F	
Mold Temperature	37.8 - 65.6 °C	100 - 150 °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 - 0.345 MPa	0.000 - 50.0 psi	
Shot Size	30 - 80 %	30 - 80 %	
Screw Speed	20 - 100 rpm	20 - 100 rpm	

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