

MBA Polymers PP 2182 Post-consumer recycled polypropylene copolymer

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Very high melt flow rate for injection molding application. Available in standard black. Information provided by MBA Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MBA-Polymers-PP-2182-Post-consumer-recycled-polypropylene-copolymer.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	MBA Method
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	16.5 MPa @Temperature 23.0 °C	2390 psi @Temperature 73.4 °F	ISO 527-2/50
Flexural Modulus	0.850 GPa @Temperature 23.0 °C	123 ksi @Temperature 73.4 °F	ISO 178
Izod Impact, Notched (ISO)	6.50 kJ/m ² @Temperature 23.0 °C	3.09 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1A

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 210 °C	356 - 410 °F	Extrusion Range
	200 °C	392 °F	Recommended Extrusion
	200 °C	392 °F	Recommended Injection Molding
	190 - 220 °C	374 - 428 °F	Injection Molding Range
Mold Temperature	40.0 °C	104 °F	Recommended
	30.0 - 60.0 °C	86.0 - 140 °F	
Drying Temperature	80.0 °C @Time 3600 - 7200 sec	176 °F @Time 1.00 - 2.00 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

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