

MBA Polymers PP 2123 Post-consumer recycled polypropylene copolymer

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

Material Notes:

Available in standard black. Information provided by MBA Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MBA-Polymers-PP-2123-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	5.5 g/10 min	5.5 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527-2/50
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	1.00 GPa	145 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180/1A
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

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
Injection Molding Range	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	176 °F	

Processing Properties	Metric @ Time 3600 - 7200 sec	English @ Time 1.00 - 2.00 hour	Comments
Moisture Content	<= 0.10 %	<= 0.10 %	

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