

## MBA Polymers PP 2172 Post-consumer recycled polypropylene copolymer

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

### Material Notes:

High melt flow rate for injection molding applications. Available in standard black. Information provided by MBA Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MBA-Polymers-PP-2172-Post-consumer-recycled-polypropylene-copolymer.php](http://www.lookpolymers.com/polymer_MBA-Polymers-PP-2172-Post-consumer-recycled-polypropylene-copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	MBA Method
Melt Flow	25 g/10 min	25 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	18.0 MPa	2610 psi	ISO 527-2/50
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Flexural Modulus	0.900 GPa	131 ksi	ISO 178
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Izod Impact, Notched (ISO)	8.00 kJ/m <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	ISO 180/1A
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	49.0 °C	120 °F	unannealed; ISO 75-1A
Vicat Softening Point	58.0 °C	136 °F	VST/B/50; ISO 306
	136 °C	277 °F	VST/A/50; ISO 306

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 Processing Properties	40.0 Â°C Metric	104 Â°F English	Recommended Comments
	30.0 - 60.0 Â°C	86.0 - 140 Â°F	
Drying Temperature	80.0 Â°C @Time 3600 - 7200 sec	176 Â°F @Time 1.00 - 2.00 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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