

MBA Polymers PS 3122 Post-consumer recycled impact modified polystyrene

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polystyrene (PS)

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-PS-3122-Post-consumer-recycled-impact-modified-polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Melt Flow	6.0 g/10 min	6.0 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 200 Â°C	@Load 11.0 lb, Temperature 392 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527-2/50
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Izod Impact, Notched (ISO)	8.50 kJ/m ²	4.04 ft-lb/in ²	ISO 180/1A
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Processing Properties	Metric	English	Comments
Melt Temperature	200 Â°C	392 Â°F	Recommended Injection Molding
	190 - 260 Â°C	374 - 500 Â°F	Injection Molding Range
Mold Temperature	40.0 Â°C	104 Â°F	Recommended
	20.0 - 80.0 Â°C	68.0 - 176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
	@Time 3600 - 7200 sec	@Time 1.00 - 2.00 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	

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