

Total PPC 7652 Polypropylene, Heterophasic Copolymer, Injection Molding

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

Material Notes:

Polypropylene PPC 7652 is a nucleated and antistatic heterophasic copolymer with a Melt Flow index of 16 g/10 min. Polypropylene PPC 7652 is a medium flow grade intended for a wide range of injection molding applications including battery cases, electrical appliance housings, toys, closures and lids. Polypropylene PPC 7652 has been specially formulated to give antistatic performance. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPC-7652-Polypropylene-Heterophasic-Copolymer-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in ³	ISO 1183
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 230 °C	16 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ISO 2039-2
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527-2
Elongation at Yield	10 %	10 %	ISO 527-2
Tensile Modulus	1.45 GPa	210 ksi	ISO 527-2
Flexural Modulus	1.35 GPa	196 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ² @Temperature -20.0 °C	2.62 ft-lb/in ² @Temperature -4.00 °F	ISO 180
	9.00 kJ/m ² @Temperature 23.0 °C	4.28 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Charpy Impact, Notched	0.600 J/cm ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	165 °C Metric	329 °F English	ISO 3146 Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	120°C per hour; ISO 752
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	120°C per hour; ISO 752
Vicat Softening Point	75.0 °C	167 °F	50°C per hour; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
	145 °C	293 °F	50°C per hour; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

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