

Total PPR 10222 Random Copolymer Polypropylene, Injection Molding

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

Material Notes:

Total Petrochemicals PPR 10222 is a nucleated and antistatic random copolymer polypropylene with a melt flow index of 40 g/10min for the injection molding of articles with high transparency and excellent surface appearance. Polypropylene PPR 10222 is intended for household goods, thin wall packaging. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPR-10222-Random-Copolymer-Polypropylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.902 g/cc	0.902 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in ³	ISO 1183
Melt Flow	40 g/10 min @Load 2.16 kg, Temperature 230 °C	40 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ISO 2039-2
Tensile Strength, Yield	28.0 MPa	4060 psi	ISO 572-2
Elongation at Yield	10 %	10 %	ISO 572-2
Tensile Modulus	1.25 GPa	181 ksi	ISO 572-2
Flexural Modulus	1.15 GPa	167 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	147 °C	297 °F	ISO 3146
Vicat Softening Point	67.0 °C @Load 5.10 kg	153 °F @Load 11.2 lb	50°C per hour; ISO 306
	130 °C @Load 1.02 kg	266 °F @Load 2.25 lb	50°C per hour; ISO 306

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