

Total PPR 7227 Random Copolymer Polypropylene, Injection Molding

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

Material Notes:

Total Petrochemicals PPR 7227 is a high transparency random copolymer polypropylene specially developed for the injection molding of caps and closures and articles with high transparency, excellent surface appearance and low stress whitening in hinged applications. Polypropylene PPR 7227 distinguished itself by excellent organoleptic properties and can be proposed for contact with taste sensitive liquids. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPR-7227-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	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	86	86	ISO 2039-2
Tensile Strength, Yield	29.0 MPa	4210 psi	ISO 572-2
Elongation at Yield	10 %	10 %	ISO 572-2
Tensile Modulus	1.30 GPa	189 ksi	ISO 572-2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	146 °C	295 °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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