

Total PPR 7525MZ Polypropylene, Injection Molding Grade

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

Material Notes:

Clarified random copolymer for injection molding. Clarity - FINA 7525MZ exhibits superior clarity in molded parts. Impact - FINA 7525MZ produces molded parts with improved impact compared with parts molded from homopolymer polypropylene. Antistat - FINA 7525MZ contains an antistat to help protect molded parts from dust accumulation. FDA - FINA 7525MZ complies with all applicable FDA regulations for food contact applications. Recommended Applications - FINA 7525MZ is recommended for injection molding housewares, cassette cases and other items calling for a combination of good impact, superior clarity and easy mold release. Processing - FINA 7525MZ resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C). Data provided by the manufacturer, Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-PPR-7525MZ-Polypropylene-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238L

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D288A
Tensile Strength, Ultimate	29.0 MPa	4210 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Modulus of Elasticity	1.24 GPa	180 ksi	ASTM D638
Flexural Modulus	1.035 GPa	150.1 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	NB	NB	ASTM D256A
Impact Test	15.8 J @Thickness 3.17 mm	11.7 ft-lb @Thickness 0.125 in	Drop Impact, plaques. Fina API test

Thermal Properties	Metric	English	Comments
Melting Point	149 °C	300 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ASTM D648

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	200 - 232 °C Metric	392 - 450 °F English	Injection Comments
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