

Total 7622MZ Polypropylene, Injection Molding Grade (discontinued **)

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene Copolymer](#)

Material Notes:

Clarified random copolymer for injection molding

Clarity - FINA 7622MZ exhibits outstanding clarity in molded parts.

Impact - FINA 7622MZ produces molded parts with improved impact compared with parts molded from homopolymer polypropylene.

Antistat - FINA 7622MZ contains an antistat that will help protect molded parts from dust accumulation.

FDA - FINA 7622MZ complies with all applicable FDA regulations for food contact applications.

Recommended Applications - FINA 7622MZ is recommended for injection molding housewares, cassette cases and other items calling for good impact and high clarity.

Processing - FINA 7622MZ 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 includes former Fina and Atofina plastics product lines.

Vendors: [Click here to view all available suppliers for this material.](#)

Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in³	ASTM D1505
Melt Flow	11 g/10 min	11 g/10 min	ASTM D1238L
Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D288A
Tensile Strength, Ultimate	26.9 MPa	3900 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Modulus of Elasticity	1.035 GPa	150.1 ksi	ASTM D638
Flexural Modulus	0.825 GPa	120 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	NB	NB	ASTM D256A
Impact Test	16.9 J @Thickness 3.17 mm	12.5 ft-lb @Thickness 0.125 in	Drop Impact, plaques. Fina API test
Thermal Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	91.0 °C	196 °F	ASTM D648
Processing Properties	Metric	English	Comments
Melt Temperature	200 - 232 °C	392 - 450 °F	Injection

**
Materials flagged as discontinued (D) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

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