



**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

+135-3858-6433 (GuangDong)  
+188-1699-6168 (ShangHai)  
+852-6957-5415 (HongKong)

# Polypropylene 7622MZ

Technical Data Sheet  
Polypropylene – Random Copolymer  
Produced in the United States

## Description

**Polypropylene 7622MZ** exhibits outstanding clarity in molded parts.

**Impact:** 7622MZ produces molded parts with improved impact compared with parts molded from homopolymer polypropylene.

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

**Regulatory:** 7622MZ has passed USP Class VI testing, and all ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). 7622MZ complies with all applicable FDA regulations for food contact application.

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

**Processing:** 7622MZ resin processes on conventional injection molding equipment with typical melt temperatures of 390-450°F (200-232°C).

**Made to Order Grade: Two railcar minimum order; take or pay agreement required; 90-day minimum lead time**

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238 Condition "L"	g/10 min	11
<b>Mechanical Properties</b>			
Tensile	D-638	psi (MPa)	3,900 (26.9)
Elongation	D-638	%	10
Tensile Modulus	D-638	psi (MPa)	150,000 (1,035)
Flexural Modulus	D-638	psi (MPa)	120,000 (825)
Izod Impact @ 73°F			
Notched	D-256	ft.-lbs/in. (J/m)	1.2 (64.1)
Unnotched			No Break
Drop Impact	API <sup>(3)</sup>	0.125" plaques, in.-lbs. (J/m)	150 (16.9)
Hardness	D-785A	Rockwell R	90
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Point	DSC <sup>(2)</sup>	°F (°C)	293 (145)
Heat Deflection	D-648	°F @ 66 psi	195
		°C @ 4.64 kg/cm	91
<b>Other Physical Properties</b>			
Density	D-1505	g/cc	0.900

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.  
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.  
(3) Test procedure available upon request.

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