



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

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
Rheological Properties			
Melt Flow	D-1238 Condition "L"	g/10 min	11
Mechanical Properties			
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 ⁽³⁾	0.125" plaques, in.-lbs. (J/m)	150 (16.9)
Hardness	D-785A	Rockwell R	90
Thermal Properties⁽¹⁾			
Melting Point	DSC ⁽²⁾	°F (°C)	293 (145)
Heat Deflection	D-648	°F @ 66 psi °C @ 4.64 kg/cm	195 91
Other Physical Properties			
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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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

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