



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 7620Z

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

Description

Clarity. 7620Z exhibits high clarity in molded parts.

Impact. 7620Z produces molded parts with improved impact compared with parts molded from polypropylene homopolymers.

Antistat. 7620Z contains an antistat to help protect molded parts from dust accumulation.

FDA. 7620Z complies with all applicable FDA regulations for food contact applications.

Recommended Applications. 7620Z is recommended for injection molding housewares, hinged closures and other items calling for good impact, flexibility, and clarity.

Processing. 7620Z 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 (M Pa)	3,200 (22.1)
Elongation	D-638	%	11
Tensile Modulus	D-638	psi (M Pa)	110,000 (760)
Flexural Modulus	D-790	psi (M Pa)	90,000 (620)
Izod Impact Notched @ 73°F		ft.lb./in. (J/m)	1.3 (69.4)
Izod Impact Unnotched @ 73°F		ft.lb./in. (J/m)	No Break
Hardness Rockwell R		D-785A	85
Thermal Properties^{(1) (2)}			
Melting Point	DSC ⁽²⁾	°F (°C)	293 (145)
Heat Deflection		°F @ 66 psi	190
		°C @ 4.64 kg/cm ²	88
Other Physical Properties			
Density	D-1505	g/cc	0.900
Moisture Vapor Transmission @ 100°F (38°C)			
Oxygen Transmission, @ 73°F (23°C)			

(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.

Rev: Sept 2023

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Polypropylene