# Polypropylene 7620Z

## **TotalEnergies**

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

**TotalEnergies Petrochemicals & Refining USA, Inc. Polymers Americas** 

### **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 Unotched @ 73°F                |                      | ft.lb./in. (J/m)             | No Break      |
| Hardness Rockwell R                        |                      | D-785A                       | 85            |
| Thermal Properties <sup>(1) (2)</sup>      |                      |                              |               |
| Melting Point                              | DSC <sup>(2)</sup>   | °F (°C)                      | 293 (145)     |
| Heat Deflection                            |                      | °F @ 66 psi                  | 190           |
|  |                      | °C @ 4.64 kg/cm <sup>2</sup> | 88            |
| Other Physical Properties                  |                      |                              |               |
| Density                                    | D-1505               | g/cc                         | 0.900         |
| Moisture Vapor Transmission @ 100°F (38°C) |                      |                              |               |
| Oxygen Transmission, @ 73°F (23°C)         |                      |                              |               |

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

(3)Test procedure available upon request.