



**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

### Description

**Polypropylene 3721WZ** is designed with high flow characteristics for ease of filling thin wall parts.

**Antistat:** 3721WZ is engineered with a high level of antistat for shelf cleanliness and mold release.

**FDA:** 3721WZ complies with all applicable FDA regulations for food contact applications.

**Nucleation:** 3721WZ is nucleated to provide fast cycle time and improve contact clarity in thin wall, multi-cavity molds.

**Applications:** 3721WZ is ideal for caps, closures, cutlery, and other thin wall multi-cavity applications.

**Processing:** 3721WZ processes on conventional injection molding equipment with typical melt temperatures of 390°F-450°F (200°C-232°C).

### Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	20
Mechanical Properties			
Tensile	D-638	psi (MPa)	5,500 (38)
Elongation	D-638	%	12
Tensile Modulus	D-638	psi (MPa)	260,000 (1,795)
Flexural Modulus	D-790	psi (MPa)	270,000 (1,860)
Izod Impact @ 73°F	D-256A	ft.-lbs/in. (J/m)	0.5 (27)
Notched			20.0 (1,068)
Unnotched			
Hardness	D-785A	Rockwell R	107
Thermal Properties <sup>(1)(2)</sup>			
Melting Point	DSC	°F (°C)	330 (165)
Heat Deflection	D-648	°F @ 66 psi	260
		°C @ 4.64 kg/cm <sup>2</sup>	127
Other Physical Properties			
Density	D-1505	g/cc	0.905

- (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.

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Polypropylene