

## Description

**Polypropylene 3720WZ** has high flow characteristics that result in ease of filling thin wall parts.

**Nucleation:** TOTAL Polypropylene 3720WZ is nucleated to provide fast cycle time and improved contact clarity in thin wall, multi-cavity molds.

**Antistat:** TOTAL Polypropylene 3720WZ contains an antistat that will help protect molded parts from dust accumulation.

**FDA:** TOTAL Polypropylene 3720WZ complies with all applicable FDA regulations for food contact applications.

**Recommended Applications:** TOTAL Polypropylene 3720WZ is recommended for caps, closures, and thin wall containers.

**Processing:** TOTAL Polypropylene 3720WZ resin processes on conventional injection molding equipment with typical melt temperatures of 380-450°F (200-232°C).

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238 Condition "L"	g/10 min	20
<b>Mechanical Properties</b>			
Tensile	D-638	psi (MPa)	5,500 (37.9)
Elongation	D-638	%	13
Tensile Modulus	D-638	psi (MPa)	260,000 (1,790)
Flexural Modulus	D-790	psi (MPa)	220,000 (1,520)
Izod Impact @ 73°F			
Notched	D-256A	ft.-lbs/in. (J/m)	0.5 (26.7)
Unnotched			20.0 (1,065)
Hardness	D-785A	Rockwell R	107
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Point	DSC <sup>(2)</sup>	°F (°C)	330 (165)
Heat Deflection	D-648	°F @ 66 psi	260
		°C @ 4.64 kg/cm <sup>2</sup>	127
<b>Other Physical Properties</b>			
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.

