

## 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°-450°F (200-232°C).

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	20
<b>Mechanical Properties</b>			
Tensile	D-638	psi (MPa)	5,500 (37.9)
Elongation	D-638	%	12
Tensile Modulus	D-638	psi (MPa)	260,000 (1,790)
Flexural Modulus	D-790	psi (MPa)	200,000 (1,380)
Izod Impact Notched @ 73°F	D-256A	ft.-lbs/in. (J/m)	0.5 (26.7)
Unnotched			20.0 (1,065)
<b>Hardness</b>			
Rockwell R	D-785A		107
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Point	DSC <sup>(2)</sup>	°F (°C)	316 (158)
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.

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Polypropylene



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