

Description

Polypropylene M3721WZ is designed with high flow characteristics for ease of filling thin wall parts.

Antistat: M3721WZ is engineered with a high level of antistat for shelf cleanliness and mold release.

FDA: M3721WZ complies with all applicable FDA regulations for food contact applications.

Nucleation: M3721WZ is nucleated to provide fast cycle time and improve contact clarity in thin wall, multi-cavity molds.

Applications: M3721WZ is ideal for caps, closures, cutlery, and other thin wall multi-cavity applications.

Processing: M3721WZ processes on conventional injection molding equipment with typical melt temperatures of 390°-450°F (200-232°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	24
Mechanical Properties			
Tensile	D-638	psi (MPa)	5,500 (37.9)
Elongation	D-638	%	14
Tensile Modulus	D-638	psi (MPa)	270,000 (1,900)
Flexural Modulus	D-790	psi (MPa)	250,000 (1,700)
Izod Impact Notched @ 73°F	D-256A	ft.-lbs/in. (J/m)	0.5 (26.7)
Unnotched			20.0 (1,065)
Thermal Properties⁽¹⁾			
Melting Point	DSC ⁽²⁾	°F (°C)	311 (155)
Heat Deflection	D-648	°F @ 66 psi	240
		°C @ 4.64 kg/cm ²	116
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.

