

Description

Lumicene® Polypropylene M3720WZ is an isotactic homopolymer made via Total Petrochemicals and Refining's proprietary technology.

Nucleation: M3720WZ is nucleated to provide fast cycle time and contact clarity in thin wall, multi-cavity molds.

Antistat: M3720WZ contains an antistat that will help protect molded parts from dust accumulation.

FDA: M3720WZ complies with all applicable FDA regulations and may be used under these provisions for food contact and packaging. M3720WZ is not intentionally manufactured to contain materials derived from genetically modified organisms (GMO), and is not intentionally formulated to contain or intentionally manufactured with phthalates.

Applications: M3720WZ is formulated for injection molding applications such as food packaging, caps and closures and medical articles. Due to its unique properties, other applications may exist.

Processing: M3720WZ has a narrower molecular weight distribution than conventional polypropylene and is similar to controlled rheology materials. Processing temperatures should remain with a range from 390°F to 480°F.

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	24
Mechanical Properties			
Tensile	D-638	psi (MPa)	5,100 (35.2)
Elongation	D-638	%	6
Tensile Modulus	D-638	psi (MPa)	240,000 (1,650)
Flexural Modulus	D-790	psi (MPa)	210,000 (1,450)
Thermal Properties⁽¹⁾			
Melting Point	DSC ⁽²⁾	°C	152
Other Physical Properties			
Density	D-1505	g/cc	0.90

(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.

