

**MedSelect™ 12G50M**

PP

Invista

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	50	g/10min	ASTM D 1238
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	38	MPa	ASTM D 638
Elongation at Yield	7.5	%	ASTM D 638
Flexural Modulus	1760	MPa	ASTM D 790
Gardner Impact	6	J	ASTM D 2794,4226,5420
Izod Impact notched, 1/8 in	23	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	114	°C	ASTM D 648
Melting Temperature	157	°C	ASTM D 3418
<b>Optical properties</b>			
<b>ASTM Data</b>			
Haze 1: 25 mil	10 <sup>(1)</sup>	%	ASTM D 1003
<b>Other properties</b>			
Density	900	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	185 - 215	°C	-
Mold temperature	15 - 49	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Transparent, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization, Electron beam (e-beam) sterilization

**Features**

Copolymer, Random Copolymer

**Chemical Resistance**

Radiation Resistance

**Certifications**

Food contact, Food approval FDA 21 CFR, Medical Grade, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved, Drug Master File, RoHS compliant

**Applications**

Medical

**Regional Availability**

North America