12G50M

INVISTA™ POLYPROPYLENE
MedSelect™

Random Copolymer for Injection Molding

Features: Clarified. Produced without animal derived components.
Sterilization: Gamma radiation, EtO, E-beam, and autoclave
Applications: Medical components, syringes, closures, and connectors

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	50 g/10min		D1238
Density	0.90 g/cm3		D1505
Melting Temperature	155 -159 °C	311 – 318 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	38 MPa	5500 psi	D 638
Tensile Yield Elongation	7.5 %	7.5 %	D 638
Flexural Modulus - Tangent	1760 MPa	255 kpsi	D 790
Flexural Modulus - Secant	1700 MPa	247 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	114 °C	237 °F	D 648
Notched Izod @ 23°C	23 J/m	0.4 ft-lb/in	D 256
Gardner Impact @ 23°C	6 J	55 in-lb	D 5420
Haze @ 25mil	10 %	10 %	D 1003

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a USP <88> Class VI, USP<85>, and ISO 10993-5

Drug Master File listed

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