P5M6K-080

INVISTA™ POLYPROPYLENE
MedSelect™

Random Copolymer for Injection Molding

Features: Clarified. Produced without animal derived components or phthalates
Sterilization: Gamma radiation, EtO, and E-beam
Applications: Syringes, medical device components

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	27 g/10min		D1238
Density	0.90 g/cm3		D1505
Melting Temperature	145 -152 °C	293 – 306 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	31 MPa	4450 psi	D 638
Tensile Yield Elongation	14 %	14 %	D 638
Flexural Modulus - Tangent	1000 MPa	145 kpsi	D 790
Flexural Modulus - Secant	966 MPa	140 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	81 °C	178 °F	D 648
Rockwell Hardness		85 R	D 785
Notched Izod @ 23°C	75 J/m	1.4 ft-lb/in	D 256
Gardner Impact @ 23°C	27 J	235 in-lb	D 5420
Haze @ 25mil	6.5 %	6.5 %	D 1003

This product is not recommended for autoclave sterilization in the presence of aqueous solutions.

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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