



P5M4R-034

Random Copolymer for Injection Molding

Features: Produced without animal derived components or phthalates

Sterilization: Gamma radiation, EtO, E-beam, and autoclave

Applications: Medical devices, syringes

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	12 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	145 -152 °C	293 – 306 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	26 MPa	3800 psi	D 638
Tensile Yield Elongation	13 %	13 %	D 638
Flexural Modulus - Tangent	790 MPa	114 kpsi	D 790
Flexural Modulus - Secant	740 MPa	108 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	75 °C	167 °F	D 648
Rockwell Hardness		83 R	D 785
Notched Izod @ 23°C	40 J/m	0.7 ft-lb/in	D 256
Gardner Impact @ 23°C	26 J	230 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

USP <88> Class VI

Drug Master File listed

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