

P9M7R-056



Specialty Homopolymer for Injection Molding

Features: Clarified with good dimensional stability. Produced without animal derived components or phthalates.

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

Applications: Medical components, labware and pipette tips

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	55 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	33 MPa	4800 psi	D 638
Tensile Yield Elongation	9.5 %	9.5 %	D 638
Flexural Modulus - Secant	1200 MPa	175 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	105 °C	221 °F	D 648
Rockwell Hardness		103 R	D 785
Notched Izod @ 23°C	37 J/m	0.7 ft-lb/in	D 256
Gardner Impact @ 23°C	35.5 J	314 in-lb	D 5420
Haze @ 25mil	8.5 %	8.5 %	D 1003

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

USP <88> Class VI, USP<85>, and ISO 10993-5

Drug Master File listed

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