



12N15V

Random Copolymer for Injection Molding

Features: Nucleated. 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	15 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	155 -159 °C	311 – 318 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	30 MPa	4340 psi	D 638
Tensile Yield Elongation	10 %	10 %	D 638
Flexural Modulus - Tangent	1180 MPa	172 kpsi	D 790
Flexural Modulus - Secant	1040 MPa	150 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	95 °C	203 °F	D 648
Notched Izod @ 23°C	44 J/m	0.8 ft-lb/in	D 256
Gardner Impact @ 23°C	23.5 J	208 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

Drug Master File pending

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