

# 13R9A



## Random Copolymer for Injection Molding

**Features:** Produced without animal derived components

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

**Applications:** Medical device components, labware, closures

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	9 g/10min		D1238
Density	0.90 g/cm <sup>3</sup>		D1505
Melting Temperature	145 -152 °C	293 – 306 °F	D3418

## Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	28 MPa	4000 psi	D 638
Tensile Yield Elongation	9 %	9 %	D 638
Flexural Modulus - Tangent	966 MPa	140 kpsi	D 790
Flexural Modulus - Secant	896 MPa	130 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	90 °C	194 °F	D 648
Rockwell Hardness		90 R	D 785
Notched Izod @ 23°C	60 J/m	1.2 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320in-lb	D 5420

## Regulatory

FDA – 21 CFR 177.1520(a)(3)(i) and (c) 3.1a

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

Drug Master File listed

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