

# 23N10A



## Random Copolymer for Injection Stretch Blow Molding and Injection Molding

**Features:** Nucleated, good dimensional stability. Produced without animal derived components

**Sterilization:** EtO and autoclave

**Applications:** Irrigation bottles, caps, and closures

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	9.0 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	27.8 MPa	4030 psi	D 638
Tensile Yield Elongation	10 %	10 %	D 638
Flexural Modulus - Tangent	1120 MPa	162 kpsi	D 790
Flexural Modulus - Secant	1050 MPa	150 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	84 °C	183 °F	D 648
Notched Izod @ 23°C	60 J/m	1.1 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320in-lb	D 5420

## Regulatory

FDA – 21 CFR 177.1520(c) 3.2a Drug Master File listed

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

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