

# 23M2A



## Random Copolymer for Extrusion and Injection Blow Molding

**Features:** Produced without animal derived components

**Sterilization:** EtO and autoclave

**Applications:** Nutritional drink bottles, pharmaceutical BFS, irrigation containers, and medical device components

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	2.0 g/10min		D1238
Density	0.90 g/cm <sup>3</sup>		D1505
Melting Temperature	150 -156 °C	302 – 313 °F	D3418

## Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	27.7 MPa	4000 psi	D 638
Tensile Yield Elongation	10.5 %	10.5 %	D 638
Flexural Modulus - Tangent	1040 MPa	151 kpsi	D 790
Flexural Modulus - Secant	980 MPa	142 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	79 °C	174 °F	D 648
Rockwell Hardness		84 R	D 785
Notched Izod @ 23°C	54 J/m	1.0 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320in-lb	D 5420

## Regulatory

FDA – 21 CFR 177.1520(c) 3.2a

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

Drug Master File listed

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