

# 23T2A

## Random Copolymer for Blow Molding and Thermoforming

**Features:** Clarified. Produced without animal derived components

**Sterilization:** EtO and autoclave

**Applications:** Beverage cups and lids, containers

## 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	31 MPa	4500 psi	D 638
Tensile Yield Elongation	10.9 %	10.9 %	D 638
Flexural Modulus - Tangent	1130 MPa	164 kpsi	D 790
Flexural Modulus - Secant	1060 MPa	154 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	95 °C	203 °F	D 648
Rockwell Hardness		95 R	D 785
Notched Izod @ 23°C	138 J/m	2.6 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420
Haze @ 25mil	10 %	10 %	D 1003

## Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

USP <88> Class VI

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