

23H2A

Random Copolymer for Blow Molding and Thermoforming

Features: Excellent clarity. Produced without animal derived components

Applications: Food packaging, cups, and bottles

Resin Properties

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

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	30.3 MPa	4400 psi	D 638
Tensile Yield Elongation	10 %	10 %	D 638
Flexural Modulus - Tangent	1290 MPa	187 kpsi	D 790
Flexural Modulus - Secant	1190 MPa	173 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	85 °C	185 °F	D 648
Rockwell Hardness		83 R	D 785
Notched Izod @ 23°C	56 J/m	1.0 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420
Haze @ 25mil	5.9 %	5.9 %	D 1003
Haze @ 50mil	9.5 %	9.5 %	D 1003

Regulatory

FDA – 21 CFR 177.1520(c) 3.2a

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