

# 13T55V

## Random Copolymer for Injection Molding

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

**Applications:** Clear thin-walled parts

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	55 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	28.6 MPa	4150 psi	D 638
Tensile Yield Elongation	12 %	12 %	D 638
Flexural Modulus - Tangent	1160 MPa	168 kpsi	D 790
Flexural Modulus - Secant	1080 MPa	157 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	81 °C	178 °F	D 648
Rockwell Hardness		85 R	D 785
Notched Izod @ 23°C	58 J/m	1.1 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420
Haze @ 25mil	8 %	8 %	D 1003

## Regulatory

FDA – 21 CFR 177.1520(c) 3.2a

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