

# P9R2M-062

## Specialty Random Copolymer for Blow Molding and Thermoforming

**Features:** Impact resistant with contact clarity. Produced without animal derived components

**Applications:** Bottles and containers

### Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	2.2 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 MPa	3900 psi	D 638
Tensile Yield Elongation	10 %	10 %	D 638
Flexural Modulus - Tangent	1100 MPa	159 kpsi	D 790
Flexural Modulus - Secant	1050 MPa	152 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	91 °C	196 °F	D 648
Rockwell Hardness		62 R	D 785
Notched Izod @ 23°C	506 J/m	9.5 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420
Haze @ 25mil	10.5 %	10.5 %	D 1003

### Regulatory

FDA – 21 CFR 177.1520(c) 3.2a & 3.2c

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