



# P9G8Z-036

## Specialty Homopolymer for Injection Molding and Extrusion

**Features:** Broad processing window. Produced without animal derived components or phthalates

**Applications:** Compounding and extrusion coating

### Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	72 g/10min		D1238
Density	0.90 g/cm <sup>3</sup>		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

### Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	34 MPa	5000 psi	D 638
Tensile Yield Elongation	9.0 %	9.0 %	D 638
Flexural Modulus - Tangent	1320 MPa	191 kpsi	D 790
Flexural Modulus - Secant	1250 MPa	182 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	96 °C	205 °F	D 648
Rockwell Hardness		100 R	D 785
Notched Izod @ 23°C	20 J/m	0.4 ft-lb/in	D 256
Gardner Impact @ 23°C	2 J	17 in-lb	D 5420

### Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

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