

# P9G1Z-047

## Specialty Polypropylene for Extrusion and Blow Molding

**Features:** Good melt strength, process stability, and long-term heat aging. Produced without animal derived components or phthalates.

**Applications:** Thick sheeting, functionalized materials, large bottles

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	0.5 g/10min		D1238
Density	0.90 g/cm <sup>3</sup>		D1505
Melting Temperature	156 -161 °C	313 – 322 °F	D3418

## Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	34 MPa	4900 psi	D 638
Tensile Yield Elongation	14 %	14 %	D 638
Flexural Modulus - Tangent	1240 MPa	180 kpsi	D 790
Flexural Modulus - Secant	1170 MPa	169 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	96 °C	205 °F	D 648
Rockwell Hardness		92 R	D 785
Notched Izod @ 23°C	91 J/m	1.7 ft-lb/in	D 256
Gardner Impact @ 23°C	29 J	260 in-lb	D 5420

## Regulatory

FDA – 21 CFR 177.1520(c) 3.2a	USP <88> Class VI
Drug Master File listed	UL Certified 94HB
3-A Dairy Certified	

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