

# P4G3Z-050F

## Homopolymer for Extrusion

**Features:** Low water carry-over. Produced without animal derived components or phthalates

**Applications:** Cast film

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	4.2 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	39 MPa	5600 psi	D 638
Tensile Yield Elongation	9 %	9 %	D 638
Flexural Modulus - Tangent	1620 MPa	235 kpsi	D 790
Flexural Modulus - Secant	1520 MPa	221 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	101 °C	214 °F	D 648
Rockwell Hardness		104 R	D 785
Notched Izod @ 23°C	40 J/m	0.7 ft-lb/in	D 256
Gardner Impact @ 23°C	11 J	100 in-lb	D 5420

## Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

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