

# P4G3Z-050

## Homopolymer for Extrusion

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

**Applications:** Slit tape and fibers

## Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	3.5 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 - Secant	1590 MPa	230 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	101 °C	214 °F	D 648
Rockwell Hardness		100 R	D 785
Notched Izod @ 23°C	40 J/m	0.7 ft-lb/in	D 256
Gardner Impact @ 23°C	17 J	150 in-lb	D 5420

## Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

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