

P4G4B-036

Homopolymer for Injection Molding

Features: Nucleated and antistatic agent. Produced without animal derived components or phthalates

Applications: Consumer and healthcare products

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	12 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	160 -165 °C	320 – 329 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	38 MPa	5500 psi	D 638
Tensile Yield Elongation	7 %	7 %	D 638
Flexural Modulus - Secant	1590 MPa	231 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	104 °C	219 °F	D 648
Rockwell Hardness		108 R	D 785
Notched Izod @ 23°C	30 J/m	0.5 ft-lb/in	D 256
Gardner Impact @ 23°C	5 J	45 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

UL Certified 94HB

Drug Master File listed

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