

P4G4K-038

Homopolymer for Injection Molding

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

Applications: Consumer 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	39 MPa	5600 psi	D 638
Tensile Yield Elongation	8 %	8 %	D 638
Flexural Modulus - Secant	1620 MPa	235 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	110 °C	230 °F	D 648
Rockwell Hardness		109 R	D 785
Notched Izod @ 23°C	30 J/m	0.5 ft-lb/in	D 256
Gardner Impact @ 23°C	1 J	9 in-lb	D 5420
Haze @ 25mil	10 %	10 %	D 1003

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

UL Certified 94HB

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