

P6G4Z-097

Impact Copolymer for Injection Molding

Features: Good stiffness/impact balance. Produced without animal derived components.

Applications: Appliance components, consumer durables, caps, and closures

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	8 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	26 MPa	3700 psi	D 638
Tensile Yield Elongation	7 %	7 %	D 638
Flexural Modulus - Tangent	1186 MPa	172 kpsi	D 790
Flexural Modulus - Secant	1116 MPa	162 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	88 °C	190 °F	D 648
Rockwell Hardness		83 R	D 785
Notched Izod @ 23°C	144 J/m	2.7 ft-lb/in	D 256
Gardner Impact @ -30°C	24 J	216 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

UL Certified 94 HB

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