

P5C4Z-090

Random Copolymer for Injection Molding

Features: Produced without animal derived components

Applications: Houseware products, caps, and closures

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	9 g/10min		D1238
Density	0.90 g/cm ³		D1505
Melting Temperature	145 -152 °C	293 – 306 °F	D3418

Mechanical Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Tensile Yield Strength	25 MPa	3600 psi	D 638
Tensile Yield Elongation	11 %	11 %	D 638
Flexural Modulus - Tangent	881 MPa	128 kpsi	D 790
Flexural Modulus - Secant	839 MPa	122 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	73 °C	163 °F	D 648
Rockwell Hardness		76 R	D 785
Notched Izod @ 23°C	53 J/m	1.0 ft-lb/in	D 256
Gardner Impact @ 23°C	>36 J	>320 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

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