

P4C5B-030

Homopolymer for Injection Molding

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

Applications: Medical closures and housewares

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	20 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	37 MPa	5400 psi	D 638
Tensile Yield Elongation	9.0 %	9.0 %	D 638
Flexural Modulus - Secant	1410 MPa	205 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	109 °C	228 °F	D 648
Rockwell Hardness		109 R	D 785
Notched Izod @ 23°C	30 J/m	0.6 ft-lb/in	D 256
Gardner Impact @ 23°C	I I J	97 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) I.I.a

USP <88> Class VI

Drug Master File listed

UL Certified 94HB

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