

P4C4T-189

Homopolymer for Injection Molding

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

Applications: Caps and closures

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	34 MPa	4900 psi	D 638
Tensile Yield Elongation	12 %	12 %	D 638
Flexural Modulus - Tangent	1290 MPa	187 kpsi	D 790
Flexural Modulus - Secant	1248 MPa	181 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	92 °C	198 °F	D 648
Rockwell Hardness		102 R	D 785
Notched Izod @ 23°C	30 J/m	0.5 ft-lb/in	D 256
Gardner Impact @ 23°C	10 J	90 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 1.1a

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