

AP5206-HN

Impact Copolymer for Compression and Injection Molding

Features: Nucleated and mold release. Produced without animal derived components

Applications: Caps and closures

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	5 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	30 MPa	4400 psi	D 638
Tensile Yield Elongation	6 %	6 %	D 638
Flexural Modulus - Tangent	1586 MPa	230 kpsi	D 790
Flexural Modulus - Secant	1517 MPa	220 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	108 °C	228 °F	D 648
Rockwell Hardness		104 R	D 785
Notched Izod @ 23°C	107 J/m	2 ft-lb/in	D 256
Gardner Impact @ 0°C	>36 J	>320 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

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