



AP6112-HS

Impact Copolymer for Injection Molding

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

Applications: Appliance components and furniture

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	24 MPa	3550 psi	D 638
Tensile Yield Elongation	6 %	6 %	D 638
Flexural Modulus - Tangent	1240 MPa	180 kpsi	D 790
Flexural Modulus - Secant	1172 MPa	170 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	99 °C	199 °F	D 648
Rockwell Hardness		98 R	D 785
Notched Izod @ 23°C	123 J/m	2.3 ft-lb/in	D 256
Gardner Impact @ -30°C	23 J	200 in-lb	D 5420

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

USP <88> Class VI

Drug Master File listed

UL Certified 94HB

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