

AP5150-HS

Impact Copolymer for Extrusion and Injection Molding

Features: Nucleated. Produced without animal derived components

Applications: Thin-walled packaging containers, consumer products

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	50 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	28.6 MPa	4150 psi	D 638
Tensile Yield Elongation	5.3 %	5.3 %	D 638
Flexural Modulus - Tangent	1430 MPa	207 kpsi	D 790
Flexural Modulus - Secant	1358 MPa	197 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	114 °C	237 °F	D 648
Rockwell Hardness		87 R	D 785
Notched Izod @ 23°C	65 J/m	1.2 ft-lb/in	D 256

Regulatory

FDA – 21 CFR 177.1520(c) 3.1a

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