

AP4135-LV

Impact Copolymer for Injection Molding

Features: Produced without animal derived components

Applications: Markers, pens, and consumer products

Resin Properties

	Typical Value (SI)	Typical Value (English)	ASTM Test Method
Melt Flow Rate	35 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	23.4 MPa	3400 psi	D 638
Tensile Yield Elongation	7.5 %	7.5 %	D 638
Flexural Modulus - Tangent	1060 MPa	156 kpsi	D 790
Flexural Modulus - Secant	1006 MPa	146 kpsi	D 790
Deflection Temperature @66psi (0.455 MPa)	84 °C	183 °F	D 648
Rockwell Hardness		84 R	D 785
Notched Izod @ 23°C	89 J/m	1.7 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

118 Huntsman Way, Longview, TX 75602 – (903) 239-5332

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