



# 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 <sup>3</sup>		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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The data and information represented herein refer to typical values obtained in our laboratories by the methods or apparatuses indicated and should be so considered. Since processing variables are a major factor in product performance, this information should serve only as a guide. Since customers' testing conditions are outside our control, the reproducibility of our data in a customer's testing facility is not guaranteed. Customer should confirm results under its testing conditions. There is no implied warranty of merchantability or fitness for a particular purpose. Establishing satisfactory performance of the product for the intended application is the customer's sole responsibility. No warranty is given concerning the existence or non-existence of any patents claiming any pertinent subject matter presented herein. The Company assumes no obligation, express or implied, or liability for use of or reliance on the information and data presented. INV Polypropylene, LLC disclaims all product warranties expressed or implied, including warranties of fitness for particular purpose or of merchantability. Further, this product is not intended for use in the manufacture of any form of implanted medical or surgical device. © 2022 INV Polypropylene, LLC. All rights reserved.