



# Premier PI005

## Impact Copolymer Polypropylene

**MELT FLOW: 0.5**

**DENSITY: 0.9**

**Premier PI005** is an impact block copolymer polypropylene designed for extruded sheet thermoforming, blow molding and vacuum molding applications. It has good impact resistance at low temperatures. It meets requirements of the U. S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Flow Index	0.5	g/10 min	ASTM D-1238
Density	0.9	g/cm <sup>3</sup>	ASTM D792
Tensile Strength at Yield	4,120 (28)	Psi (MPa)	ASTM D-638
Flexural Modulus, 1% Secant	171,000 (1,180)	Psi (MPa)	ASTM D-790
Elongation at Break	>100	%	ASTM D-638
Notched Izod Impact Strength, 23°C	9.18 (490)	Ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact Strength, -10°C	0.827 (44)	Ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature (4.6 kgf/cm <sup>2</sup> )	100	°C	ASTM D-648

Premier Polymers cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis of design.