



PREMIER
POLYMERS, LLC.

Premier PH005 Homopolymer Polypropylene

MELT FLOW: 0.5

DENSITY: 0.9

Premier PH005 is a homopolymer polypropylene designed for sheet extrusion. It has high strength, heat resistance and transparency. Applications include flat sheet items such as binders, stationary files and food packaging and industrial tray vacuum forming.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Flow Rate	0.5	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-792
Tensile Strength at Yield	5,260 (36)	psi (MPa)	ASTM D-638
Tensile Strain at Break	>100	%	ASTM D-638
Flexural Modulus (1.3 mm/min), 1% Secant	228,000 (1,570)	Psi (MPa)	ASTM D-790
Notched Izod Impact @ 23°C	0.92 (49)	Ft-lb/in (J/m)	ASTM D-256
Notched Izod Impact @ -10°C	0.46 (25)	Ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature (4.6 kgf/cm ²)	105	°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.

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