



VINPOL™ PI120K

Impact Copolymer Polypropylene

Melt Flow: 12

Density: 0.9

VINPOL PI120K is an impact copolymer polypropylene designed for heavy duty injection molding applications requiring excellent processing and physical properties. Targeted applications include pails, crates and other rugged molded articles. This product meets FDA 21 CFR 177.1520, covering safe use of polyolefin articles and components of articles intended for direct food contact.

Resin Property*	Typical Value	Units	Test Method
Melt Flow (230°C/2.16 kg)	12	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-1505
Tensile Strength at Yield, 50mm/min	3,300 (23)	psi (MPa)	ASTM D-638
Elongation at Yield, 50mm/min	5	%	ASTM D-638
Flexural Modulus, 1% Secant	165,000 (1,138)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 23° C (73°F)	No Break	ft-lb/in	ASTM D-256A
Notched Izod Impact Strength, 0°C (32°F)	2.5 (133)	ft-lb/in (J/m)	ASTM D-256A
Notched Izod Impact Strength, -18°C (0°F)	2.1 (112)	ft-lb/in (J/m)	ASTM D-256A
Heat Deflection Temp., 66psi	207 (97)	°F (°C)	ASTM D-648
Heat Deflection Temp., 264psi	124 (51)	°F (°C)	ASTM D-648
Rockwell Hardness	90	R	ASTM D-785

*Specimens injection molded per conditions specified in ASTM D4101.

Vinmar Polymers America 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.