



VinPol™ PI750N

Impact Copolymer Polypropylene

Melt Flow: 75

Density: 0.900

VINPOL PI750N is a nucleated high flow rate medium impact copolymer resin for applications requiring high flowability, including thin wall injection molding requiring fast cycle time.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 2.16kg at 230°C	75	g/10 min	ISO 1133
Density	0.900	g/cm ³	Supplier Method
Tensile Strength at Yield, 2"/min (51mm/min)	3,540 (24)	psi (MPa)	ASTM D-638
Elongation at Yield, 2"/min (51mm/min)	4.4	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051"/min (1.3mm/min)	191,000 (1,320)	psi (MPa)	ASTM D-790A
Flexural Modulus, 1% Secant, 0.51"/min (13mm/min)	217,000 (1,500)	psi (MPa)	ASTM D-790B
Notched Izod Impact Strength, 73° F (23°C)	1.6 (85)	ft-lbf/in (J/m)	ASTM D-256A
Notched Izod Impact Strength, 32° F (0°C)	1.0 (54)	ft-lbf/in (J/m)	ASTM D-256A
Notched Izod Impact Strength, 73° F (23°C)	3.6 (7.6)	ft-lb/in ² (kJ/m ²)	ISO 180/1A
Notched Izod Impact Strength, 32° F (0°C)	2.4 (5.1)	ft-lb/in ² (kJ/m ²)	ISO 180/1A
Charpy Notched Impact Strength, 73° F (23°C)	3.8 (8.1)	ft-lb/in ² (kJ/m ²)	ISO 179/1eA
Charpy Notched Impact Strength, 32° F (0°C)	2.3 (4.8)	ft-lb/in ² (kJ/m ²)	ISO 179/1eA
Gardner Impact, -20° F (-29°C), 0.125" (3.18mm) Geometry GC	151 (17)	in-lb (J)	ASTM D-5420
Deflection Temp. Under Load, 66psi	209 (98)	°F (°C)	Supplier Method
Deflection Temp. Under Load, 264psi	123 (51)	°F (°C)	Supplier Method
Rockwell Hardness	82	-	ASTM D-785

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.

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