vinmar polymers america

VINPOL™ PI300NK

Impact Copolymer Polypropylene

Melt Flow: 30 | Density: 0.900

VINPOL PI300NK is a high crystallinity, high impact, nucleated polypropylene copolymer with excellent process-ability, heat aging resistance, and designed for injection molding and compounding applications. Typical applications include automotive, appliance and industrial parts.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 2.16kg at 230°C	30	g/10 min	ASTM D-1238
Density	0.900	g/cm³	Supplier Method
Tensile Strength at Yield, 2"/min (51mm/min)	2,890 (19.9)	psi (MPa)	ASTM D-638
Elongation at Yield, 2"/min (51mm/min)	5.7	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051"/min (1.3mm/min)	144,000 (993)	psi (MPa)	ASTM D-790A
Flexural Modulus, 1% Secant, 0.51"/min (13mm/min)	164,000 (1,130)	psi (MPa)	ASTM D-790B
Deflection Temp. Under Load, 66psi (455kPa), Unannealed	198 (92)	°F (°C)	ASTM D-648
Notched Izod Impact Strength, 73° F (23°C)	No Break	ft-lbf/in	ASTM D-256A
Notched Izod Impact Strength, 0° F (-18°C)	1.7 (89)	ft-lbf/in (J/m)	ASTM D-256A
Gardner Impact, -20° F (-29°C), 0.125" (3.18mm) Geometry GC	292 (33)	In-lb (J)	ASTM D-5420

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