

VINPOL™ PH018N

Homopolymer Polypropylene

Melt Flow: 1.8

Density: 0.900

VINPOL PH018N is a high melt strength, high stiffness, nucleated homopolymer polypropylene resin providing uniform wall distribution in thin wall packaging applications and excellent processing characteristics in extrusion and thermoforming processes. This product has a broad processing window and can be run at fast cycle times. Intended applications include cups, food containers, lids, packaging and rigid packaging.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I ₂ @ 230°C	1.8	g/10 min	ASTM D-1238
Density	0.900	g/cm ³	Supplier Method
Tensile Strength at Yield, 2 in/min (51 mm/min)	5,550 (38)	psi (MPa)	ASTM D-638
Elongation at Yield, 2 in/min (51mm/min)	7.7	%	ASTM D-638
Flexural Modulus, 1% Secant, 0.051 in/min (1.3 mm/min)	293,000 (2,020)	psi (MPa)	ASTM D-790A
Flexural Modulus, 1% Secant, 0.51 in/min (13 mm/min)	333,000 (2,300)	psi (MPa)	ASTM D-790B
Notched Izod Impact Strength, 73°F (23°C)	0.83 (44)	ft-lb/in (J/m)	ASTM D-256A
Deflection Temperature Under Load, 66 psi, Unannealed	241 (116)	°F (°C)	ASTM D-648

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