



VinPol™ PH120NS
Homopolymer Polypropylene

Melt Flow: 12

Density: 0.90

VINPOL PH120NS is a homopolymer polypropylene designed for injection molding and contains nucleating and antistatic agents. Typical applications include consumer and healthcare products. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520 (c) 1.1a.

Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	12	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-792
Melting Temperature Range	160-165 (320-329)	°C (°F)	ASTM D-3418
Tensile Strength at Yield	5,500 (38)	psi (MPa)	ASTM D-638
Elongation at Yield	7	%	ASTM D-638
Flexural Modulus, 1% Secant	231,000 (1,590)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.5 (30)	ft-lb/in (J/m)	ASTM D-256
Gardner Impact, 73°F (23°C)	45 (5)	in-lb (J)	ASTM D-5420
Heat Deflection Temperature, 66 psi	219 (104)	°F (°C)	ASTM D-648
Rockwell Hardness	108	R Scale	ASTM D-785

