

VINPOL™ PH050S

Homopolymer Polypropylene

Melt Flow: 5

Density: 0.9

VINPOL PH050S is a highly isotactic, homopolymer polypropylene with anti-stat and is designed for straws and cutlery applications. Its tailored stabilizer package enables process ability and excellent final properties. This product meets requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, and it is free of animal-derived content.

*Resin Property	Typical Value	Units	Test Method
Melt Flow, I2 @ 230°C	5	g/10 min	ASTM D-1238
Density	0.9	g/cm ³	ASTM D-1505
Tensile Strength at Yield, 50 mm/min	5,100 (36)	psi (MPa)	ASTM D-638
Elongation at Yield, 50 mm/min	9	%	ASTM D-638
Flexural Modulus, 1% Secant, 1.3 mm/min	200,000 (1,724)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, 73°F (23°C)	0.7 (37)	ft-lb/in (J/m)	ASTM D-256
Rockwell Hardness	110	R Scale	ASTM D-785

**Note: Specimens were injection molded according to the 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.