



VINPOL™ PA650GFH Series

50% Glass Filled, Heat Stabilized Polyamide 6

Polyamide 6 Base Polymer

50% Glass Filled

VINPOL PA650GFH Series is a 50% glass filled, heat stabilized polyamide 6 product that is available in black (**VINPOL PA650GFHY**) and natural (**VINPOL PA650GFH**) colors.

Resin Property	Typical Value	Units	Test Method
Specific Gravity	1.57	-	ASTM D-792
Tensile Strength at Yield	30,000 (210)	psi (MPa)	ASTM D-638
Tensile Elongation	2.8	%	ASTM D-638
Flexural Modulus	2,100,000 (14,480)	psi (MPa)	ASTM D-790
Flexural Strength	45,000 (310)	psi (MPa)	ASTM D-790
Notched Izod Impact	2.7 (144)	ft-lb/in (J/m)	ASTM D-256
Heat Deflection Temperature, 66 psi	425 (218)	°F (°C)	ASTM D-648
Heat Deflection Temperature, 264 psi	415 (213)	°F (°C)	ASTM D-648

Drying conditions: 180°F for 2-4 hrs, depending on moisture content. Max moisture content = 0.20%.
Processing Conditions: Injection molding melt temperature: 500-560°F. Injection molding mold temperature: 80-180°F.

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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