

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.

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