



VINPOL™ PA6640MFHI

40% Mineral Filled, Heat Stabilized, Impact Modified Polyamide 66

40% Mineral Filled

Heat-Aging Stabilized,
Impact-Modified

VINPOL PA6640MFHI is a 40% mineral filled, heat stabilized, impact modified polyamide 66 resin designed for injection molded applications.

Resin Property	Typical Value	Units	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D-792
Filler Reinforcement	40	%	ASTM D-2584
Tensile Strength @ Yield, RT	13,000 (90)	psi (MPa)	ASTM D-638
Flexural Modulus	785,000 (5,400)	psi (MPa)	ASTM D-790
Flexural Strength	21,500 (150)	psi (MPa)	ASTM D-790
Notched Izod Impact Strength, RT, 1/8" bar	3.0 (160)	ft-lb/in (J/m)	ASTM D-256
Deflection Temperature, 66 psi, 1/8" bar	425 (218)	°F (°C)	ASTM D-648
Deflection Temperature, 264 psi, 1/8" bar	235 (113)	°F (°C)	ASTM D-648

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.

Vinmar Polymers America, LLC / 16825 Northchase Drive, Suite 1400, Houston, TX 77060
Phone: 281-902-0900 Fax: 281-260-8096

Rev. Date 7/1/2025