



VINPOL™ PA66UFIM Series

Unfilled, Toughened, Polyamide 66

Unfilled, Toughened

Natural or Black

VINPOL PA66UFIM is an unfilled, impact modified, polyamide 66 resin suitable for housing and automotive trim and unpainted bearings and sliding elements. It is available in black (**VINPOL PA66UFIMY**) and natural (**VINPOL PA66UFIMZ**) colors.

Resin Property	Typical Value	Units	Test Method
Density	1.10	g/cm ³	ISO 1183
Shrinkage, 24h	Lengthwise: 1.3-1.7 Lateral: 1.6-2.0	%	ISO 294-4
Tensile Modulus, Dry	2000	MPa	ISO 527
Tensile Strength at Break, Dry	55	MPa	ISO 527
Tensile Elongation at Break, Dry	23	%	ISO 527
Flexural Modulus, Dry	1900	MPa	ISO 178
Flexural Stress, 3.5% Strain, Dry	65	MPa	ISO 178
Charpy Impact, 23 °C, Dry	60	kJ/m ²	ISO 179/1eU
Notched Charpy Impact, 23 °C, Dry	6	kJ/m ²	ISO 179/1eA
HDT/A, 1.8 MPa	55	°C	ISO 75-1/-2

Note: These are guide values and not a specification. The test values mentioned are representative values only and not binding minimum or maximum figures. These test values have been determined on standardized test specimens and can be affected by pigmentation, mold design and processing conditions.

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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