



VINPOL™ PA6UFNATL

Unfilled, Natural Polyamide 6

Unfilled

Natural Color

VINPOL PA6UFNATL is an unfilled, natural polyamide 6 resin.

Resin Property	Typical Value	Units	Test Method
Density	1.14	g/cm ³	ISO 1183
RV	2.4		*Supplier Method
Water Absorption (Saturation value) @ 23°C	10	%	ISO 62
Water Absorption (Equilibrium value) @ 23°C, 50% RH	3	%	ISO 62
*Notched Charpy Impact, 23°C	<10	kJ/m ²	ISO 179-1eA
*Notched Charpy Impact, -30°C	<10	kJ/m ²	ISO 179-1eA
Notched Charpy Impact, -40°C	<10	kJ/m ²	ISO 179-1eA
Notched Izod Impact, -30°C	<10	kJ/m ²	ISO 180-1A
Notched Izod Impact, -40°C	<10	kJ/m ²	ISO 180-1A
*Tensile Modulus, 1 mm/min	3,000	MPa	ISO 527-1,-2
*Yield Stress, 50 mm/min	75	MPa	ISO 527-1,-2
*Yield Strain, 50 mm/min	4.0	%	ISO 527-1,-2
*Nominal Strain at Break, 50 mm/min	15	%	ISO 527-1,-2
Flexural Modulus, 2 mm/min	2,700	MPa	ISO 178-A
Flexural Strength, 2 mm/min	100	MPa	ISO 178-A
Flexural Strain at Flexural Strength, 2 mm/min	6.0	%	ISO 178-A
*Melting Point, 10°C/min	222	°C	ISO 11357-1,-3
Vicat Softening Temperature, 50 N, 120°C/h	200	°C	ISO 306

*These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

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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