

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.*

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