



VINPOL™ PA66UFNAT4551

General Purpose, Unfilled, Natural Polyamide 66

Unfilled

Natural Color

VINPOL PA66UFNAT4551 is a general-purpose, unfilled, natural polyamide 66 resin. This resin is designed for extrusion/compounding applications. It is available at two moisture levels: 0.2% maximum and 0.5% maximum. Consult your VPA commercial contact for details. This product provides good chemical resistance to machine and motor oils, gasoline and solvents. This resin offers good initial color and color stability after compounding, and it complies with ASTM D4066 PA0111, ASTM D6779 PA0111, EC 1935/2004, EU 10/2011, EU 2023/2006, FDA 21 CFR 177.1500, NSF STD-51 and NSF STD-61.

Resin Property	Typical Value	Units	Test Method
Moisture	0.50 Max.	%	ASTM D6869
Density	1.14	g/cm ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulfuric Acid))	137-148	cm ³ /g	ISO 307
Relative Viscosity (Formic Acid)	45.0 – 51.0		ASTM D789
Bulk Density	674	g/l	ASTM D1895
Melting Temperature	500 (260)	°F (°C)	ISO 11357-3
Yellowness Index	-11.8 to 4.5	YI	Supplier Method

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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