

# VAMPAMID HT 3028 V0

Polyphthalamide  
Vamp Tech

**PROSPECTOR®**

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## Technical Data

### Product Description

PPA resin, 30% glass fiber reinforced, flame retardant halogen free for injection molding

### General

Material Status	• Commercial: Active		
UL Yellow Card <sup>1</sup>	• E140692-102290444		
Search for UL Yellow Card	• Vamp Tech • VAMPAMID		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Features	• Flame Retardant	• Halogen Free	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Specific Gravity	1.44	1.44 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage			ASTM D955
Flow	3.0E-3 in/in	0.30 %	
Across Flow	7.0E-3 in/in	0.70 %	
Water Absorption (24 hr)	0.40 %	0.40 %	ASTM D570

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	1.74E+6 psi	12000 MPa	ISO 527-2
Tensile Stress (Break)	23200 psi	160 MPa	ISO 527-2
Tensile Strain (Break)	1.9 %	1.9 %	ISO 527-2

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength	2.9 ft·lb/in <sup>2</sup>	6.0 kJ/m <sup>2</sup>	ISO 180/A
Unnotched Izod Impact Strength	21 ft·lb/in <sup>2</sup>	45 kJ/m <sup>2</sup>	ISO 180

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	518 °F	270 °C	ASTM D648A
Ball Pressure Test (392°F (200°C))	Pass	Pass	IEC 60695-10-2

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+12 ohms	> 1.0E+12 ohms	ASTM D257
Electric Strength	910 V/mil	36 kV/mm	IEC 60243-1
Comparative Tracking Index	600 V	600 V	IEC 60112

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.0157 in (0.400 mm)	V-0	V-0	
0.0315 in (0.800 mm)	V-0	V-0	
0.0630 in (1.60 mm)	V-0	V-0	
0.126 in (3.20 mm)	V-0	V-0	
Glow Wire Flammability Index 0.0394 to 0.0787 in (1.00 to 2.00 mm)	1760 °F	960 °C	IEC 60695-2-12
Glow Wire Ignition Temperature 0.0394 to 0.0787 in (1.00 to 2.00 mm)	1430 °F	775 °C	IEC 60695-2-13

Additional Information	Nominal Value (English)	Nominal Value (SI)
Temperature - Long Term	302 °F	150 °C

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	194 °F	90.0 °C
Drying Time	3.0 hr	3.0 hr
Processing (Melt) Temp	608 °F	320 °C



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Injection	Nominal Value (English)	Nominal Value (SI)
Mold Temperature	266 °F	130 °C

## Notes

<sup>1</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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### Where to Buy

#### Supplier

##### **Vamp Tech**

Busnago, Italy

**Telephone:** +39-39-695-7821

**Web:** <http://www.vamptech.com/>

#### Distributor

##### **ALBIS Plastic**

*ALBIS PLASTIC is a Pan European distribution and compounding company. Contact ALBIS PLASTIC for availability of individual products per country.*

**Telephone:** +49-40-78105-0

**Web:** <http://www.albis.com/>

**Availability:** Algeria, Austria, Belgium, Czech Republic, France, Germany, Hungary, Luxembourg, Morocco, Netherlands, Poland, Russian Federation, Tunisia

