

VAMPAMID 6 0024 V0

Polyamide 6

Vamp Tech

PROSPECTOR®

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Technical Data

Product Description

UL 94 V0, halogen and red phosphorus free, excellent mechanical properties and electrical features.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English) • Technical Datasheet (German) • Technical Datasheet (Italian)
UL Yellow Card ²	• E140692-223021
Search for UL Yellow Card	• Vamp Tech • VAMPAMID
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• Flame Retardant • Good Electrical Properties • Halogen Free • Low (to None) Phosphorus Content • Semi Crystalline
Uses	• Electrical/Electronic Applications
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.17 g/cm ³	ASTM D792
Molding Shrinkage		ASTM D955
Flow	1.5 %	
Across Flow	1.5 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	3200 MPa	ASTM D638
Tensile Strength (Yield)	60.0 MPa	ASTM D638
Tensile Elongation (Break)	10 %	ASTM D638
Flexural Modulus	3100 MPa	ASTM D790
Flexural Strength	110 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength	4.5 kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break	ISO 180

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	70.0 °C	ASTM D648A
Vicat Softening Temperature	200 °C	ASTM D1525 ⁴
RTI Elec	120 °C	UL 746
RTI Imp	120 °C	UL 746
RTI Str	120 °C	UL 746

Electrical	Nominal Value Unit	Test Method
Comparative Tracking Index	600 V	IEC 60112

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.8 mm	V-0	
1.6 mm	V-0	
3.2 mm	V-0	
Glow Wire Flammability Index (1.0 to 2.0 mm)	960 °C	IEC 60695-2-12



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Injection	Nominal Value Unit
Drying Temperature	80 °C
Drying Time	3.0 hr
Processing (Melt) Temp	240 °C
Mold Temperature	80 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² 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.

³ Typical properties: these are not to be construed as specifications.

⁴ Loading 2 (50 N)



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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 global 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

