

VAMPLEN 0024 V0 A

Polypropylene

Vamp Tech

PROSPECTOR[®]

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Technical Data

Product Description

PP resin unfilled, flame retarded halogen free for injection moulding

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• Vamp Tech		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• Halogen Free	
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	1.06 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	9.0 cm ³ /10min	ISO 1133
Molding Shrinkage		ASTM D955
Flow	1.2 %	
Across Flow	1.2 %	
Water Absorption (24 hr, 23°C)	0.020 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1900 MPa	ISO 527-1
Tensile Stress (Yield)	20.0 MPa	ISO 527-2
Tensile Strain (Break)	> 20 %	ISO 527-2

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength	3.0 kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	20 kJ/m ²	ISO 180

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	65.0 °C	ASTM D648
Continuous Use Temperature	100 °C	
Vicat Softening Temperature	100 °C	ASTM D1525 ²

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
Glow Wire Ignition Temperature 1.0 to 2.0 mm	775 °C	IEC 60695-2-13

Injection	Nominal Value Unit
Drying Temperature	70 °C
Drying Time	3.0 hr
Processing (Melt) Temp	210 °C
Mold Temperature	60 °C

Notes

¹ Typical properties: these are not to be construed as specifications.

² Loading 2 (50 N)



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Where to Buy

Supplier

Vamp Tech

Busnago, 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, Germany, Hungary, Luxembourg, Morocco, Netherlands, Poland, Tunisia

