

VAMPAMID 66 3530 V0 P

Polyamide 66

Vamp Tech

PROSPECTOR®

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Technical Data

Product Description

PA66 resin 35% glass fiber reinforced, flame retarded with red phosphorus for injection moulding

General

| | |
|-----------------------------|--------------------------------------------------------------------------------------------|
| Material Status | • Commercial: Active |
| UL Yellow Card ¹ | • E140692-223040 |
| Search for UL Yellow Card | • Vamp Tech • VAMPAMID |
| Availability | • Africa & Middle East • Asia Pacific • Europe • Latin America • North America |
| Filler / Reinforcement | • Glass Fiber, 35% Filler by Weight |
| Features | • Flame Retardant |
| Processing Method | • Injection Molding |

| Physical | Nominal Value Unit | Test Method |
|--------------------------------|------------------------|-------------|
| Density | 1.45 g/cm ³ | ISO 1183 |
| Molding Shrinkage | | ASTM D955 |
| Flow | 0.50 % | |
| Across Flow | 0.80 % | |
| Water Absorption (24 hr, 23°C) | 0.80 % | ASTM D570 |

| Mechanical | Nominal Value Unit | Test Method |
|------------------------|--------------------|-------------|
| Tensile Modulus | 11500 MPa | ISO 527-1 |
| Tensile Stress (Break) | 155 MPa | ISO 527-2 |
| Tensile Strain (Break) | 2.0 % | ISO 527-2 |

| Impact | Nominal Value Unit | Test Method |
|--------------------------------|-----------------------|-------------|
| Notched Izod Impact Strength | 8.5 kJ/m ² | ISO 180/A |
| Unnotched Izod Impact Strength | 50 kJ/m ² | ISO 180 |

| Thermal | Nominal Value Unit | Test Method |
|----------------------------------------------------------|--------------------|-------------------------|
| Deflection Temperature Under Load 1.8 MPa, Unannealed | 245 °C | ASTM D648 |
| Continuous Use Temperature | 130 °C | |
| Vicat Softening Temperature | 245 °C | ASTM D1525 ³ |

| Electrical | Nominal Value Unit | Test Method |
|----------------------------|--------------------|-------------|
| Comparative Tracking Index | 550 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 |

| Injection | Nominal Value Unit |
|------------------------|--------------------|
| Drying Temperature | 90 °C |
| Drying Time | 3.0 hr |
| Processing (Melt) Temp | 275 °C |
| Mold Temperature | 90 °C |

Notes

¹ 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.

² Typical properties: these are not to be construed as specifications.

³ Loading 2 (50 N)



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Where to Buy

Supplier

Vamp Tech

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Distributor

ALBIS Plastic

ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.

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Availability: Algeria, Austria, Belgium, Czech Republic, Germany, Hungary, Luxembourg, Morocco, Netherlands, Poland, Tunisia

