# VAMPAMID 6 2028 V2 MF

## PA6 resin, 20% glass fiber reinforced, flame retarded halogen free for injection moulding

| PROPERTY | CONDITIONS | NORMS | UNITS | VALUE |
|---|---|---|---|---|
| **PHYSICAL PROPERTIES** | | | | |
| Density | - | ISO-1183 | $g/cm^3$ | 1,33 |
| Linear Mould Shrinkage | - | ASTM D-955 | % | 1,1 |
| Trasversal Mould Shrinkage | - | ASTM D-955 | % | 0,9 |
| Water Adsorption | 23°C-24h | ASTM D-570 | % | 1,3 |
| **THERMAL PROPERTIES** | | | | |
| Vicat Softening Point | VICAT B (50 N) | ASTM D-1525 | °C | 205 |
| Relative Temperature Index ELEC | Electric | UL 746 B | °C | 120 |
| Relative Temperature Index IMP | Impact | UL 746 B | °C | 65 |
| Relative Temperature Index STR | Strength | UL 746 B | °C | 105 |
| **MECHANICAL PROPERTIES** | | | | |
| Impact Strength Izod Notched | 23 °C | ISO-180/A | $kJ/m^2$ | 4 |
| Impact Strength Izod Unnotched | 23 °C | ISO-180/U | $kJ/m^2$ | 35 |
| Tensile Strength at Break | 23 °C | ISO-527/1-2 | MPa | 70 |
| Elongation at Break | 23 °C | ISO-527/1-2 | % | 5 |
| Tensile Modulus | 23 °C | ISO-527/1-2 | MPa | 4800 |
| **ELECTRICAL PROPERTIES** | | | | |
| Comparative Tracking Index | - | IEC 60112 | V | 600 |

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| FLAME RESISTANCE | | | | |
|---|---|---|---|---|
| Thickness 3,0 mm | - | UL 94 | - | V2 |
| Thickness 1,5 mm | - | UL 94 | - | V2 |
| Thickness 0,8 mm | - | UL 94 | - | V2 |
| GWFI (1 mm) | - | IEC 60695-2-12 | °C / mm | 960 |
| GWFI (2 mm) | - | IEC 60695-2-12 | °C / mm | 960 |