

VAMPGREEN N 3028 VO

PA6 chemical recycled based injection moulding compound,
30% glass fiber reinforced, flame retarded halogen free



| PROPERTY | CONDITIONS | NORMS | UNITS | VALUE |
|------------------------------------|------------------|-------------|-------------------|-------|
| PHYSICAL PROPERTIES | | | | |
| Density | - | ISO-1183 | g/cm ³ | 1,43 |
| Linear Mould Shrinkage | - | ASTM D-955 | % | 0,5 |
| Trasversal Mould Shrinkage | - | ASTM D-955 | % | 0,9 |
| Water Adsorption | 23°C-24h | ASTM D-570 | % | 1,2 |
| THERMAL PROPERTIES | | | | |
| Vicat Softening Point | VICAT B (50 N) | ASTM D-1525 | °C | 210 |
| Heat Distortion Temperature | HDT A (1,80 MPa) | ASTM D-648 | °C | 205 |
| Relative Temperature Index ELEC | Electric | UL 746 B | °C | 130 |
| Relative Temperature Index IMP | Impact | UL 746 B | °C | 105 |
| Relative Temperature Index STR | Strength | UL 746 B | °C | 120 |
| MECHANICAL PROPERTIES | | | | |
| Impact Strength Izod Notched | 23 °C | ISO-180/A | kJ/m ² | 9 |
| Impact Strength Izod Unnotched | 23 °C | ISO-180/U | kJ/m ² | 55 |
| Tensile Strength at Break | 23 °C | ISO-527/1-2 | MPa | 130 |
| Elongation at Break | 23 °C | ISO-527/1-2 | % | 2,5 |
| Tensile Modulus | 23 °C | ISO-527/1-2 | MPa | 10500 |

VAMPGREEN N 3028 V0

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| ELECTRICAL PROPERTIES | | | | |
|----------------------------|---|----------------|---------|---------|
| Comparative Tracking Index | - | IEC 60112 | V | 600 |
| FLAME RESISTANCE | | | | |
| Thickness 3,0 mm | - | UL 94 | - | V0, 5VA |
| Thickness 1,6 mm | - | UL 94 | - | V0, 5VA |
| Thickness 1 mm | - | UL 94 | - | V0, 5VA |
| Thickness 0,8 mm | - | UL 94 | - | V0 |
| Thickness 0,4 mm | - | UL 94 | - | V0 |
| Thickness 0,25 mm | - | UL 94 | - | V0 |
| GWFI (1 mm) | - | IEC 60695-2-12 | °C / mm | 960 |
| GWFI (2 mm) | - | IEC 60695-2-12 | °C / mm | 960 |