

# VAMPGREEN P 00U RC V2 28 1S 06 C

PP post industrial recycled based injection moulding compound, unfilled, flame retarded halogen free.



| PROPERTY                       | CONDITIONS       | NORMS           | UNITS                   | VALUE |
|--------------------------------|------------------|-----------------|-------------------------|-------|
| <b>PHYSICAL PROPERTIES</b>     |                  |                 |                         |       |
| Density                        | -                | ISO-1183        | g/cm <sup>3</sup>       | 1,04  |
| MVR (230°C/2,16 kg)            | -                | ISO-1133        | cm <sup>3</sup> /10 min | 10    |
| Linear Mould Shrinkage         | -                | ASTM D-955      | %                       | 1,4   |
| Trasversal Mould Shrinkage     | -                | ASTM D-955      | %                       | 1,4   |
| Water Adsorption               | 23°C-24h         | ASTM D-570      | %                       | 0,02  |
| <b>THERMAL PROPERTIES</b>      |                  |                 |                         |       |
| Vicat Softening Point          | VICAT B (50 N)   | ASTM D-1525     | °C                      | 85    |
| Heat Distortion Temperature    | HDT A (1,80 MPa) | ASTM D-648      | °C                      | 55    |
| Long Term Temperature          | -                | Internal Method | °C                      | 90    |
| <b>MECHANICAL PROPERTIES</b>   |                  |                 |                         |       |
| Impact Strength Izod Notched   | 23 °C            | ISO-180/A       | kJ/m <sup>2</sup>       | 3     |
| Impact Strength Izod Unnotched | 23 °C            | ISO-180/U       | kJ/m <sup>2</sup>       | 30    |
| Tensile Strength at Break      | 23 °C            | ISO-527/1-2     | MPa                     | 15    |
| Elongation at Break            | 23 °C            | ISO-527/1-2     | %                       | >50   |
| Tensile Modulus                | 23 °C            | ISO-527/1-2     | MPa                     | 1800  |
| <b>ELECTRICAL PROPERTIES</b>   |                  |                 |                         |       |
| Comparative Tracking Index     | -                | IEC 60112       | V                       | 600   |

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| FLAME RESISTANCE |   |                |         |     |
|------------------|---|----------------|---------|-----|
| Thickness 3,2 mm | - | UL 94          | -       | V2  |
| Thickness 1,6 mm | - | UL 94          | -       | V2  |
| Thickness 0,8 mm | - | UL 94          | -       | V2  |
| GWFI (1 mm)      | - | IEC 60695-2-12 | °C / mm | 850 |
| GWFI (2 mm)      | - | IEC 60695-2-12 | °C / mm | 850 |
| GWIT (1 mm)      | - | IEC 60695-2-13 | °C / mm | 775 |
| GWIT (2 mm)      | - | IEC 60695-2-13 | °C / mm | 775 |