

VAMPLEN 2028 VO CB HP

PP 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 | 1,30 |
| MVR (230°C/2,16 kg) | - | ISO-1133 | cm ³ /10 min | 5 |
| Linear Mould Shrinkage | - | ASTM D-955 | % | 0,4 |
| Trasversal Mould Shrinkage | - | ASTM D-955 | % | 0,9 |
| Water Adsorption | 23°C-24h | ASTM D-570 | % | 0,02 |
| THERMAL PROPERTIES | | | | |
| Vicat Softening Point | VICAT B (10 N) | ASTM D-1525 | °C | 125 |
| Heat Distortion Temperature | HDT A (1,80 MPa) | ASTM D-648 | °C | 140 |
| Long Term Temperature | - | Internal Method | °C | 120 |
| 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 | 15 |
| Tensile Strength at Break | 23 °C | ISO-527/1-2 | MPa | 50 |
| Elongation at Break | 23 °C | ISO-527/1-2 | % | 1,5 |
| Tensile Modulus | 23 °C | ISO-527/1-2 | MPa | 6500 |
| ELECTRICAL PROPERTIES | | | | |
| Comparative Tracking Index | - | IEC 60112 | V | 600 |

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FLAME RESISTANCE

| | | | | |
|------------------|---|----------------|---------|---------|
| Thickness 3,0 mm | - | UL 94 | - | V0, 5VA |
| Thickness 2,0 mm | - | UL 94 | - | V0, 5VA |
| Thickness 1,5 mm | - | UL 94 | - | V0, 5VA |
| Thickness 1 mm | - | UL 94 | - | V0 |
| Thickness 0,8 mm | - | UL 94 | - | V0 |
| GWFI (1 mm) | - | IEC 60695-2-12 | °C / mm | 960 |
| GWFI (2 mm) | - | IEC 60695-2-12 | °C / mm | 960 |
| GWIT (1 mm) | - | IEC 60695-2-13 | °C / mm | 775 |
| GWIT (2 mm) | - | IEC 60695-2-13 | °C / mm | 775 |