

VAMPCARB 2028 VO

PC resin, 20% glass fiber reinforced, flame retarded bromine and chlorine free for injection moulding



| PROPERTY | CONDITIONS | NORMS | UNITS | VALUE |
|--------------------------------|------------------|-----------------|-------------------------|-------|
| PHYSICAL PROPERTIES | | | | |
| Density | - | ISO-1183 | g/cm ³ | 1,34 |
| MVR (300°C/1,2 kg) | - | ISO-1133 | cm ³ /10 min | 20 |
| Linear Mould Shrinkage | - | ASTM D-955 | % | 0,4 |
| Trasversal Mould Shrinkage | - | ASTM D-955 | % | 0,5 |
| Water Adsorption | 23°C-24h | ASTM D-570 | % | 0,15 |
| THERMAL PROPERTIES | | | | |
| Vicat Softening Point | VICAT B (50 N) | ASTM D-1525 | °C | 130 |
| Heat Distortion Temperature | HDT A (1,80 MPa) | ASTM D-648 | °C | 120 |
| Long Term Temperature | - | Internal Method | °C | 120 |
| MECHANICAL PROPERTIES | | | | |
| Impact Strength Izod Notched | 23 °C | ISO-180/A | kJ/m ² | 8 |
| Impact Strength Izod Unnotched | 23 °C | ISO-180/U | kJ/m ² | 35 |
| Tensile Strength at Break | 23 °C | ISO-527/1-2 | MPa | 80 |
| Elongation at Break | 23 °C | ISO-527/1-2 | % | 2 |
| Tensile Modulus | 23 °C | ISO-527/1-2 | MPa | 6000 |
| FLAME RESISTANCE | | | | |
| Thickness 3,2 mm | - | UL 94 | - | VO |
| Thickness 1,6 mm | - | UL 94 | - | VO |
| GWFI (1 mm) | - | IEC 60695-2-12 | °C / mm | 960 |
| GWFI (2 mm) | - | IEC 60695-2-12 | °C / mm | 960 |