

# VAMPLUB C 20G 2TF

PC resin, 20% glass fiber reinforced with improved slip properties for injection moulding



| PROPERTY                       | CONDITIONS       | NORMS           | UNITS                   | VALUE |
|--------------------------------|------------------|-----------------|-------------------------|-------|
| <b>PHYSICAL PROPERTIES</b>     |                  |                 |                         |       |
| Density                        | -                | ISO-1183        | g/cm <sup>3</sup>       | 1,43  |
| MVR (300°C/1,2 kg)             | -                | ISO-1133        | cm <sup>3</sup> /10 min | 10    |
| Linear Mould Shrinkage         | -                | ASTM D-955      | %                       | 0,4   |
| Trasversal Mould Shrinkage     | -                | ASTM D-955      | %                       | 0,55  |
| Water Adsorption               | 23°C-24h         | ASTM D-570      | %                       | 1,5   |
| <b>THERMAL PROPERTIES</b>      |                  |                 |                         |       |
| Vicat Softening Point          | VICAT B (50 N)   | ASTM D-1525     | °C                      | 150   |
| Heat Distortion Temperature    | HDT A (1,80 MPa) | ASTM D-648      | °C                      | 140   |
| Long Term Temperature          | -                | Internal Method | °C                      | 135   |
| <b>MECHANICAL PROPERTIES</b>   |                  |                 |                         |       |
| Impact Strength Izod Notched   | 23 °C            | ISO-180/A       | kJ/m <sup>2</sup>       | 8     |
| Impact Strength Izod Unnotched | 23 °C            | ISO-180/U       | kJ/m <sup>2</sup>       | 25    |
| Tensile Strength at Break      | 23 °C            | ISO-527/1-2     | MPa                     | 70    |
| Elongation at Break            | 23 °C            | ISO-527/1-2     | %                       | 2     |
| Tensile Modulus                | 23 °C            | ISO-527/1-2     | MPa                     | 6000  |
| <b>FLAME RESISTANCE</b>        |                  |                 |                         |       |
| Thickness 3,2 mm               | -                | UL 94           | -                       | V1    |
| <b>TRIBOLOGICAL PROPERTIES</b> |                  |                 |                         |       |
| Wear Factor K                  | -                | Thrust Washer   | -                       | 40    |
| Coeff. of Friction             | Dynamic          | ASTM D-1894     | -                       | 0,2   |
| Coeff. of Friction             | Static           | ASTM D-1894     | -                       | 0,26  |