

# VAMPLUB C 00U 10TFSi

PC resin unfilled with improved slip properties for injection moulding



| PROPERTY                       | CONDITIONS       | NORMS           | UNITS                   | VALUE |
|--------------------------------|------------------|-----------------|-------------------------|-------|
| PHYSICAL PROPERTIES            |                  |                 |                         |       |
| Density                        | -                | ISO-1183        | g/cm <sup>3</sup>       | 1,30  |
| MVR (300°C/1,2 kg)             | -                | ISO-1133        | cm <sup>3</sup> /10 min | 15    |
| Linear Mould Shrinkage         | -                | ASTM D-955      | %                       | 0,7   |
| Trasversal Mould Shrinkage     | -                | ASTM D-955      | %                       | 0,7   |
| Water Adsorption               | 23°C-24h         | ASTM D-570      | %                       | 0,15  |
| THERMAL PROPERTIES             |                  |                 |                         |       |
| Vicat Softening Point          | VICAT B (50 N)   | ASTM D-1525     | °C                      | 145   |
| Heat Distortion Temperature    | HDT A (1,80 MPa) | ASTM D-648      | °C                      | 130   |
| Long Term Temperature          | -                | Internal Method | °C                      | 135   |
| MECHANICAL PROPERTIES          |                  |                 |                         |       |
| 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>       | 100   |
| Tensile Strength at Break      | 23 °C            | ISO-527/1-2     | MPa                     | 45    |
| Elongation at Break            | 23 °C            | ISO-527/1-2     | %                       | >10   |
| Tensile Modulus                | 23 °C            | ISO-527/1-2     | MPa                     | 2000  |
| FLAME RESISTANCE               |                  |                 |                         |       |
| Thickness 3,2 mm               | -                | UL 94           | -                       | V2    |
| Thickness 1,6 mm               | -                | UL 94           | -                       | V2    |

# VAMPLUB C 00U 10TFSi

PC resin unfilled with improved slip properties for injection moulding



## TRIBOLOGICAL PROPERTIES

|                    |         |               |   |      |
|--------------------|---------|---------------|---|------|
| Wear Factor K      | -       | Thrust Washer | - | 70   |
| Coeff. of Friction | Dynamic | ASTM D-1894   | - | 0,14 |
| Coeff. of Friction | Static  | ASTM D-1894   | - | 0,18 |