

# VAMPLUB F 30C 3TF

PPS resin, 30% carbon 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> | 1,52             |
| Linear Mould Shrinkage         | -                | ASTM D-955      | %                 | 0,2              |
| Trasversal Mould Shrinkage     | -                | ASTM D-955      | %                 | 0,4              |
| <b>THERMAL PROPERTIES</b>      |                  |                 |                   |                  |
| Vicat Softening Point          | VICAT B (50 N)   | ASTM D-1525     | °C                | 255              |
| Heat Distortion Temperature    | HDT A (1,80 MPa) | ASTM D-648      | °C                | 245              |
| Long Term Temperature          | -                | Internal Method | °C                | 200              |
| <b>MECHANICAL PROPERTIES</b>   |                  |                 |                   |                  |
| Impact Strength Izod Notched   | 23 °C            | ISO-180/A       | kJ/m <sup>2</sup> | 4,5              |
| Impact Strength Izod Unnotched | 23 °C            | ISO-180/U       | kJ/m <sup>2</sup> | 20               |
| Tensile Strength at Break      | 23 °C            | ISO-527/1-2     | MPa               | 120              |
| Elongation at Break            | 23 °C            | ISO-527/1-2     | %                 | 0,7              |
| Tensile Modulus                | 23 °C            | ISO-527/1-2     | MPa               | 23000            |
| <b>ELECTRICAL PROPERTIES</b>   |                  |                 |                   |                  |
| Surface Resistivity            | -                | ASTM D257       | Ohm               | 10 <sup>^2</sup> |
| <b>FLAME RESISTANCE</b>        |                  |                 |                   |                  |
| Thickness 3,2 mm               | -                | UL 94           | -                 | VO               |
| Thickness 1,6 mm               | -                | UL 94           | -                 | VO               |

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## TRIBOLOGICAL PROPERTIES

|                    |         |               |   |      |
|--------------------|---------|---------------|---|------|
| Wear Factor K      | -       | Thrust Washer | - | 75   |
| Coeff. of Friction | Dynamic | ASTM D-1894   | - | 0,14 |
| Coeff. of Friction | Static  | ASTM D-1894   | - | 0,18 |