

**LATILUB 88/10-15T K/30**

(PEEK+PTFE)-CF

LATI Industria Termoplastici S.p.A.

| <b>Processing/Physical Characteristics</b>         | <b>Value</b>     | <b>Unit</b>       | <b>Test Standard</b> |
|--|------------------|-------------------|----------------------|
| <b>ISO Data</b>                                    |                  |                   |                      |
| Molding shrinkage, parallel                        | <b>0.2</b>       | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                          | <b>0.5</b>       | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Tensile Modulus                                    | <b>22500</b>     | MPa               | ISO 527              |
| Stress at break                                    | <b>170</b>       | MPa               | ISO 527              |
| Strain at break                                    | <b>1</b>         | %                 | ISO 527              |
| Charpy impact strength, +23°C                      | <b>27</b>        | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C              | <b>5</b>         | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                          |                  |                   |                      |
| <b>ISO Data</b>                                    |                  |                   |                      |
| Temp. of deflection under load, 1.80 MPa           | <b>350</b>       | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa           | <b>350</b>       | °C                | ISO 75-1/-2          |
| Vicat softening temperature, B                     | <b>350</b>       | °C                | ISO 306              |
| Glow Wire Flammability Index (GWFI)                | <b>960</b>       | °C                | IEC 60695-2-12       |
| GWFI - thickness tested (1)                        | <b>2</b>         | mm                | -                    |
| Glow Wire Ignition Temperature (GWIT)              | <b>875</b>       | °C                | IEC 60695-2-13       |
| GWIT - thickness tested (1)                        | <b>1</b>         | mm                | -                    |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| UL 94 Flame rating                                 | <b>V-1</b>       | -                 | UL 94                |
| Thickness tested                                   | <b>0.75</b>      | mm                | -                    |
| Limiting Oxygen Index                              | <b>35</b>        | %                 | ASTM D 2863          |
| <b>Electrical properties</b>                       |                  |                   |                      |
| <b>ASTM Data</b>                                   |                  |                   |                      |
| Surface Resistivity                                | <b>1E12</b>      | Ohm               | ASTM D 257           |
| <b>Other properties</b>                            |                  |                   |                      |
| Density  | <b>1470</b>      | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |                  |                   |                      |
| Pre-drying - Temperature                           | <b>120 - 150</b> | °C                | -                    |
| Pre-drying - Time                                  | <b>3</b>         | h                 | -                    |
| Melt temperature                                   | <b>370 - 400</b> | °C                | -                    |
| Mold temperature                                   | <b>170 - 200</b> | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Additives**

Lubricants