

**LATER 4 G/50**

PBT-GF

LATI Industria Termoplastici S.p.A.

| Processing/Physical Characteristics | Value | Unit | Test Standard   |
|-------------------------------------|-------|------|-----------------|
| <b>ISO Data</b>                     |       |      |                 |
| Molding shrinkage, parallel         | 0.3   | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 0.8   | %    | ISO 294-4, 2577 |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 17000 | MPa               | ISO 527       |
| Stress at break                       | 170   | MPa               | ISO 527       |
| Strain at break                       | 2     | %                 | ISO 527       |
| Charpy impact strength, +23°C         | 45    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 9     | kJ/m <sup>2</sup> | ISO 179/1eA   |

| Thermal properties                          | Value | Unit  | Test Standard  |
|---|-------|-------|----------------|
| <b>ISO Data</b>                             |       |       |                |
| Temp. of deflection under load, 1.80 MPa    | 215   | °C    | ISO 75-1/-2    |
| Temp. of deflection under load, 0.45 MPa    | 225   | °C    | ISO 75-1/-2    |
| Vicat softening temperature, B              | 215   | °C    | ISO 306        |
| Coeff. of linear therm. expansion, parallel | 20    | E-6/K | ISO 11359-1/-2 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| <b>ASTM Data</b>      |       |      |               |
| Surface Resistivity   | 1E12  | Ohm  | ASTM D 257    |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1740  | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 110 - 130 | °C   | -             |
| Pre-drying - Time                           | 3         | h    | -             |
| Melt temperature                            | 240 - 260 | °C   | -             |
| Mold temperature                            | 70 - 90   | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe