

**LATAN 3 E71**

POM

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                        | 2.5          | %                 | ISO 294-4, 2577      |
| Molding shrinkage, normal                          | 2.5          | %                 | ISO 294-4, 2577      |
| <b>Mechanical properties</b>                       |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Tensile Modulus                                    | 1900         | MPa               | ISO 527              |
| Yield stress                                       | 35           | MPa               | ISO 527              |
| Stress at break                                    | 35           | MPa               | ISO 527              |
| Strain at break                                    | 100          | %                 | ISO 527              |
| Charpy impact strength, +23°C                      | N            | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C              | 12           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <b>Thermal properties</b>                          |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Temp. of deflection under load, 1.80 MPa           | 75           | °C                | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa           | 145          | °C                | ISO 75-1/-2          |
| Vicat softening temperature, B                     | 125          | °C                | ISO 306              |
| Coeff. of linear therm. expansion, parallel        | 100          | E-6/K             | ISO 11359-1/-2       |
| <b>Electrical properties</b>                       |              |                   |                      |
| <b>ISO Data</b>                                    |              |                   |                      |
| Comparative tracking index                         | 600          | -                 | IEC 60112            |
| <b>ASTM Data</b>                                   |              |                   |                      |
| Surface Resistivity                                | 1E12         | Ohm               | ASTM D 257           |
| <b>Other properties</b>                            |              |                   |                      |
| Density  | 1360         | kg/m <sup>3</sup> | ISO 1183             |
| <b>Processing Recommendation Injection Molding</b> |              |                   |                      |
| Pre-drying - Temperature                           | 80 - 90      | °C                | -                    |
| Pre-drying - Time                                  | 3            | h                 | -                    |
| Melt temperature                                   | 175 - 200    | °C                | -                    |
| Mold temperature                                   | 60 - 90      | °C                | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

High impact or impact modified