

**LATAMID 6 H2 G/30**

PA6-GF

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>0.4</b>   | %           | ISO 294-4, 2577      |
| Molding shrinkage, normal                  | <b>0.7</b>   | %           | ISO 294-4, 2577      |

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Modulus                       | <b>8800</b>  | MPa               | ISO 527              |
| Stress at break                       | <b>160</b>   | MPa               | ISO 527              |
| Strain at break                       | <b>3.2</b>   | %                 | ISO 527              |
| Charpy impact strength, +23°C         | <b>75</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>10</b>    | kJ/m <sup>2</sup> | ISO 179/1eA          |

| <b>Thermal properties</b>                   | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>                             |              |             |                      |
| Temp. of deflection under load, 1.80 MPa    | <b>200</b>   | °C          | ISO 75-1/-2          |
| Temp. of deflection under load, 0.45 MPa    | <b>220</b>   | °C          | ISO 75-1/-2          |
| Vicat softening temperature, B              | <b>210</b>   | °C          | ISO 306              |
| Coeff. of linear therm. expansion, parallel | <b>45</b>    | E-6/K       | ISO 11359-1/-2       |

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

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1350</b>  | kg/m <sup>3</sup> | ISO 1183             |

| <b>Processing Recommendation Injection Molding</b> | <b>Value</b>     | <b>Unit</b> | <b>Test Standard</b> |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature                           | <b>90 - 100</b>  | °C          | -                    |
| Pre-drying - Time                                  | <b>3</b>         | h           | -                    |
| Melt temperature                                   | <b>240 - 260</b> | °C          | -                    |
| Mold temperature                                   | <b>80 - 100</b>  | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Heat stabilized or stable to heat