

**LATIOHM 66-10 H2 CNT G/35**

PA66-(GF+Z)

LATI Industria Termoplastici S.p.A.

| Processing/Physical Characteristics | Value | Unit | Test Standard   |
|-------------------------------------|-------|------|-----------------|
| <b>ISO Data</b>                     |       |      |                 |
| Molding shrinkage, parallel         | 0.5   | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 1.2   | %    | ISO 294-4, 2577 |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 11500 | MPa               | ISO 527       |
| Stress at break                       | 185   | MPa               | ISO 527       |
| Strain at break                       | 2.5   | %                 | ISO 527       |
| Charpy impact strength, +23°C         | 50    | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 7     | 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 | 250   | °C   | ISO 75-1/-2   |
| Temp. of deflection under load, 0.45 MPa | 260   | °C   | ISO 75-1/-2   |
| Vicat softening temperature, B           | 255   | °C   | ISO 306       |

| Electrical properties | Value | Unit   | Test Standard |
|-----------------------|-------|--------|---------------|
| <b>ASTM Data</b>      |       |        |               |
| Surface Resistivity   | 3E7   | Ohm    | ASTM D 257    |
| Volume Resistivity    | 2E8   | Ohm*cm | ASTM D 257    |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1410  | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 90 - 100  | °C   | -             |
| Pre-drying - Time                           | 3         | h    | -             |
| Melt temperature                            | 275 - 300 | °C   | -             |
| Mold temperature                            | 70 - 90   | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Europe

**Special Characteristics**

Increased electrical conductivity, Heat stabilized or stable to heat