

**Amodel® LF-1950 HS NT-9**

PPA-GF50

Syensqo

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Modulus                       | <b>18500</b> | MPa               | ISO 527              |
| Stress at break                       | <b>275</b>   | MPa               | ISO 527              |
| Strain at break                       | <b>2</b>     | %                 | ISO 527              |
| Flexural modulus, 23°C                | <b>17500</b> | MPa               | ISO 178              |
| Charpy impact strength, +23°C         | <b>80</b>    | kJ/m <sup>2</sup> | ISO 179/1eU          |
| Charpy notched impact strength, +23°C | <b>35</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>300</b>   | °C          | ISO 75-1/-2          |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1610</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>120</b>       | °C          | -                    |
| Pre-drying - Time                                  | <b>4</b>         | h           | -                    |
| Processing humidity                                | <b>≤0.06</b>     | %           | -                    |
| Melt temperature                                   | <b>345</b>       | °C          | -                    |
| Mold temperature                                   | <b>130 - 160</b> | °C          | -                    |
| Zone 1   | <b>320 - 340</b> | °C          | -                    |
| Zone 2   | <b>325 - 340</b> | °C          | -                    |
| Zone 3   | <b>325 - 340</b> | °C          | -                    |
| Nozzle temperature                                 | <b>325 - 345</b> | °C          | -                    |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

High impact or impact modified

**Features**

Creep Resistance, Fatigue Resistance, Low Warpage

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa