

**Amodel® A-4160 L**

PPA-GF60

Syensqo

| Processing/Physical Characteristics | Value | Unit | Test Standard   |
|-------------------------------------|-------|------|-----------------|
| <b>ISO Data</b>                     |       |      |                 |
| Molding shrinkage, parallel         | 0.5   | %    | 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                       | 23300 | MPa               | ISO 527       |
| Stress at break                       | 244   | MPa               | ISO 527       |
| Strain at break                       | 1.4   | %                 | ISO 527       |
| Flexural modulus, 23°C                | 19300 | MPa               | ISO 178       |
| Charpy impact strength, +23°C         | 130   | kJ/m <sup>2</sup> | ISO 179/1eU   |
| Charpy notched impact strength, +23°C | 13    | 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 | 304   | °C   | ISO 75-1/-2   |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1750  | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 120       | °C   | -             |
| Pre-drying - Time                           | 4         | h    | -             |
| Melt temperature                            | 329 - 343 | °C   | -             |
| Mold temperature                            | 66 - 93   | °C   | -             |
| Zone 1                                      | 318 - 324 | °C   | -             |
| Zone 2                                      | 327 - 332 | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Additives**

Lubricants, Release agent

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Creep Resistance

**Chemical Resistance**

General Chemical Resistance

**Regional Availability**

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