

**Omnix® FC-4050 NT 000**

(PA\*+PPA)-GF50

Syensqo

| Processing/Physical Characteristics | Value | Unit | Test Standard   |
|-------------------------------------|-------|------|-----------------|
| <b>ISO Data</b>                     |       |      |                 |
| Molding shrinkage, parallel         | 0.1   | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 0.5   | %    | ISO 294-4, 2577 |

| Mechanical properties               | Value | Unit              | Test Standard |
|-------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                     |       |                   |               |
| Tensile Modulus                     | 17000 | MPa               | ISO 527       |
| Yield stress                        | 245   | MPa               | ISO 527       |
| Strain at break                     | 2.4   | %                 | ISO 527       |
| Flexural modulus, 23°C              | 15000 | MPa               | ISO 178       |
| Izod impact strength, +23°C         | 90    | kJ/m <sup>2</sup> | ISO 180/1U    |
| Izod notched impact strength, +23°C | 14    | kJ/m <sup>2</sup> | ISO 180/1A    |

| Thermal properties            | Value | Unit | Test Standard  |
|-------------------------------|-------|------|----------------|
| <b>ISO Data</b>               |       |      |                |
| Melting temperature, 10°C/min | 260   | °C   | ISO 11357-1/-3 |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1590  | kg/m <sup>3</sup> | ASTM D 792    |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 4 - 12    | h    | -             |
| Melt temperature                            | 275 - 290 | °C   | -             |
| Mold temperature                            | 80 - 120  | °C   | -             |
| Zone 1                                      | 250       | °C   | -             |
| Zone 2                                      | 285       | °C   | -             |

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Special Characteristics**

High impact or impact modified

**Certifications**

Food contact, Food approval FDA 21 CFR, Drinking water contact, Drinking water contact NSF 61

**Regional Availability**

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