

**Product Texts**

Polyamide 6, 50% glass fiber reinforced, heat-aging stabilized, improved flowability, for injection moulding, natural color

**Processing/Physical Characteristics**

dry / cond

Unit

Test Standard

**ISO Data**<sup>[C]</sup> Molding shrinkage, parallel

0.3 / \*

%

ISO 294-4, 2577

<sup>[C]</sup> Molding shrinkage, normal

0.8 / \*

%

ISO 294-4, 2577

[C]: CAMPUS

**Mechanical properties**

dry / cond

Unit

Test Standard

**ISO Data**<sup>[C]</sup> Tensile Modulus

16000 / 10500

MPa

ISO 527

<sup>[C]</sup> Stress at break

230 / 145

MPa

ISO 527

<sup>[C]</sup> Strain at break

3 / 5

%

ISO 527

Flexural modulus, 23°C

12500 / 9500

MPa

ISO 178

Flexural strength

370 / 245

MPa

ISO 178

<sup>[C]</sup> Charpy impact strength, +23°C

95 / 95

kJ/m<sup>2</sup>

ISO 179/1eU

<sup>[C]</sup> Charpy impact strength, -30°C

95 / 95

kJ/m<sup>2</sup>

ISO 179/1eU

<sup>[C]</sup> Charpy notched impact strength, +23°C

18 / 28

kJ/m<sup>2</sup>

ISO 179/1eA

<sup>[C]</sup> Charpy notched impact strength, -30°C

14 / 16

kJ/m<sup>2</sup>

ISO 179/1eA

[C]: CAMPUS

**Thermal properties**

dry / cond

Unit

Test Standard

**ISO Data**<sup>[C]</sup> Melting temperature, 10°C/min

221 / \*

°C

ISO 11357-1/-3

[C]: CAMPUS

**Other properties**

dry / cond

Unit

Test Standard

<sup>[C]</sup> Density

1580 / -

kg/m<sup>3</sup>

ISO 1183

[C]: CAMPUS

**Material specific properties**

dry / cond

Unit

Test Standard

**ISO Data**

Viscosity number

125 / \*

cm<sup>3</sup>/g

ISO 307, 1157, 1628

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Natural Color