

**Product Texts**

Polyamide 6, for injection moulding

**Processing/Physical Characteristics**

dry / cond

Unit

Test Standard

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

0.9 / \*

%

ISO 294-4, 2577

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

1.0 / \*

%

ISO 294-4, 2577

[C]: CAMPUS

**Mechanical properties**

dry / cond

Unit

Test Standard

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

3100 / -

MPa

ISO 527

Flexural modulus, 23°C

2900 / -

MPa

ISO 178

Flexural strength

105 / -

MPa

ISO 178

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

N / -

kJ/m<sup>2</sup>

ISO 179/1eU

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

4.5 / -

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

<sup>[C]</sup> Temp. of deflection under load, 1.80 MPa

65 / \*

°C

ISO 75-1/-2

<sup>[C]</sup> Temp. of deflection under load, 0.45 MPa

180 / \*

°C

ISO 75-1/-2

<sup>[C]</sup> Vicat softening temperature, B

205 / \*

°C

ISO 306

<sup>[C]</sup> Burning Behav. at thickness h

HB / \*

class

IEC 60695-11-10

Thickness tested

0.8 / \*

mm

-

Yellow Card available

yes / \*

-

-

[C]: CAMPUS

**Electrical properties**

dry / cond

Unit

Test Standard

**ISO Data**<sup>[C]</sup> Volume resistivity

1E13 / -

Ohm\*m

IEC 62631-3-1

<sup>[C]</sup> Surface resistivity

\* / 1E13

Ohm

IEC 62631-3-2

<sup>[C]</sup> Comparative tracking index

600 / -

-

IEC 60112

[C]: CAMPUS

**Other properties**

dry / cond

Unit

Test Standard

<sup>[C]</sup> Density

1140 / -

kg/m<sup>3</sup>

ISO 1183

[C]: CAMPUS

**Material specific properties**

dry / cond

Unit

Test Standard

**ISO Data**

Viscosity number

145 / \*

cm<sup>3</sup>/g

ISO 307, 1157, 1628

**Characteristics****Processing**

Injection Molding

**Delivery form**

White