

**Product Texts**

Polyamide 6, impact modified, for injection moulding

| <b>Processing/Physical Characteristics</b> | <b>dry / cond</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|-------------------|-------------|----------------------|
| <b>ISO Data</b>                            |                   |             |                      |
| <sup>[C]</sup> Molding shrinkage, parallel | 1.2 / *           | %           | ISO 294-4, 2577      |
| <sup>[C]</sup> Molding shrinkage, normal   | 1.5 / *           | %           | ISO 294-4, 2577      |

[C]: CAMPUS

| <b>Mechanical properties</b>                         | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|--|-------------------|-------------------|----------------------|
| <b>ISO Data</b>                                      |                   |                   |                      |
| <sup>[C]</sup> Tensile Modulus                       | 2750 / 1000       | MPa               | ISO 527              |
| Flexural modulus, 23°C                               | 2300 / 900        | MPa               | ISO 178              |
| Flexural strength                                    | 90 / 30           | MPa               | ISO 178              |
| <sup>[C]</sup> Charpy impact strength, +23°C         | N / N             | kJ/m <sup>2</sup> | ISO 179/1eU          |
| <sup>[C]</sup> Charpy impact strength, -30°C         | N / N             | kJ/m <sup>2</sup> | ISO 179/1eU          |
| <sup>[C]</sup> Charpy notched impact strength, +23°C | 16 / 70           | kJ/m <sup>2</sup> | ISO 179/1eA          |
| <sup>[C]</sup> Charpy notched impact strength, -30°C | 9 / 8             | kJ/m <sup>2</sup> | ISO 179/1eA          |

[C]: CAMPUS

| <b>Thermal properties</b>                               | <b>dry / cond</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|-------------------|-------------|----------------------|
| <b>ISO Data</b>   |                   |             |                      |
| <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 | 60 / *            | °C          | ISO 75-1/-2          |
| <sup>[C]</sup> Temp. of deflection under load, 0.45 MPa | 155 / *           | °C          | ISO 75-1/-2          |
| <sup>[C]</sup> Vicat softening temperature, B           | 190 / *           | °C          | ISO 306              |
| <sup>[C]</sup> Burning Behav. at thickness h            | HB / *            | class       | IEC 60695-11-10      |
| Thickness tested  | 0.8 / *           | mm          | -                    |

[C]: CAMPUS

| <b>Electrical properties</b>       | <b>dry / cond</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------------|-------------------|-------------|----------------------|
| <b>ISO Data</b>                    |                   |             |                      |
| <sup>[C]</sup> Volume resistivity  | 1E13 / -          | Ohm*m       | IEC 62631-3-1        |
| <sup>[C]</sup> Surface resistivity | * / 1E13          | Ohm         | IEC 62631-3-2        |

[C]: CAMPUS

| <b>Other properties</b> | <b>dry / cond</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|-------------------|-------------------|----------------------|
| <sup>[C]</sup> Density  | 1100 / -          | kg/m <sup>3</sup> | ISO 1183             |

[C]: CAMPUS

| <b>Material specific properties</b> | <b>dry / cond</b> | <b>Unit</b>        | <b>Test Standard</b> |
|-------------------------------------|-------------------|--------------------|----------------------|
| <b>ISO Data</b>                     |                   |                    |                      |
| Viscosity number                    | 145 / *           | cm <sup>3</sup> /g | ISO 307, 1157, 1628  |

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

High impact or impact modified

**Delivery form**

Natural Color