

Product Texts

High impact modified Polyamide 6.

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 1700 / 600 | MPa | ISO 527 |
| ^[C] Yield stress | 50 / 30 | MPa | ISO 527 |
| ^[C] Yield strain | 5 / 25 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy impact strength, -30°C | N / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 60 / N | kJ/m ² | ISO 179/1eA |
| ^[C] Charpy notched impact strength, -30°C | 25 / - | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|----------------|-------|-----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 50 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 125 / * | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 165 / * | °C | ISO 306 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.5 / * | mm | - |
| Yellow Card available | yes / * | - | - |
| ^[C] 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 | | | |
| ^[C] Volume resistivity | 1E11 / 1E8 | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | * / >1E15 | Ohm | IEC 62631-3-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|---------------------------------|-----------------|-------------------|----------------|
| ^[C] Water absorption | 2.3 / * | % | Sim. to ISO 62 |
| ^[C] Density | 1080 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Melt temperature | 240 - 260 | °C | - |
| Mold temperature | 50 - 80 | °C | - |

Characteristics

Processing

Injection Molding

Special Characteristics

High impact or impact modified

Delivery form

Granules

Regional Availability

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

Additives

Plasticizer

Other text information**Injection molding****PREPROCESSING; Pretreatment**

Predrying: 4-6h / 80°C

PROCESSING ;Processing:

| | | |
|------------------|-----------|----|
| Melttemperature | 240 - 260 | °C |
| Mouldtemperature | 50 - 80 | °C |