

Product Texts

Polyamide 6, UV-stabilized, for injection moulding

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|------------------------|----------------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 165 / * | cm ³ /10min | ISO 1133 |
| Load | 5 / * | kg | - |
| ^[C] Molding shrinkage, parallel | 1.0 / * | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 1.1 / * | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 3200 / 1000 | MPa | ISO 527 |
| Flexural modulus, 23°C | 2800 / 900 | MPa | ISO 178 |
| Flexural strength | 105 / 35 | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | N / N | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 4 / 19 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 221 / * | °C | ISO 11357-1/-3 |
| ^[C] Temp. of deflection under load, 1.80 MPa | 65 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 175 / * | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 200 / * | °C | ISO 306 |
| ^[C] Burning Behav. at thickness h | V-2 / * | class | IEC 60695-11-10 |
| Thickness tested | 0.8 / * | mm | - |

[C]: CAMPUS

| Electrical properties | dry / cond | Unit | Test Standard |
|---|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Volume resistivity | >1E13 / - | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | * / 1E14 | Ohm | IEC 62631-3-2 |
| ^[C] Comparative tracking index | 600 / - | - | IEC 60112 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1140 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

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

Characteristics**Processing**

Injection Molding

Special Characteristics

U.V. stabilized or stable to weather

Delivery form

Black