

Product Texts

Polyamide 6, 50% glass fiber reinforced, for injection moulding

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Molding shrinkage, parallel | 0.2 / * | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 0.5 / * | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 15000 / - | MPa | ISO 527 |
| ^[C] Stress at break | 210 / - | MPa | ISO 527 |
| ^[C] Strain at break | 2.5 / - | % | ISO 527 |
| Flexural modulus, 23°C | 13000 / - | MPa | ISO 178 |
| Flexural strength | 285 / - | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | 85 / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 15 / - | 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] Burning Behav. at thickness h | HB / * | 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 | * / 1E13 | Ohm | IEC 62631-3-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1570 / - | 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

Features

Tribologic Grade

Delivery form

Natural Color