

Product Texts

Polyamide 6, 35% glass fiber reinforced, heat-aging stabilized, for injection moulding, black

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|-------------|----------------------|
| ISO Data | | | |
| ^[C] Molding shrinkage, parallel | 0.3 / * | % | ISO 294-4, 2577 |
| ^[C] Molding shrinkage, normal | 0.8 / * | % | ISO 294-4, 2577 |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|-------------------|-------------------|----------------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 10000 / 6900 | MPa | ISO 527 |
| ^[C] Stress at break | 145 / 95 | MPa | ISO 527 |
| ^[C] Strain at break | 2.5 / 5.5 | % | ISO 527 |
| Flexural modulus, 23°C | 8500 / 5500 | MPa | ISO 178 |
| Flexural strength | 210 / 135 | MPa | ISO 178 |
| ^[C] Charpy impact strength, +23°C | 45 / 60 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 6.5 / 11 | 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 | 205 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 215 / * | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 210 / * | °C | ISO 306 |
| ^[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 | 1410 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Material specific properties | dry / cond | Unit | Test Standard |
|-------------------------------------|-------------------|--------------------|----------------------|
| ISO Data | | | |
| Viscosity number | 135 / * | cm ³ /g | ISO 307, 1157, 1628 |

Characteristics**Processing**

Injection Molding

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Black