

Product Texts

Polyamide 6, nucleated, for injection moulding, natural color

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|--|-------------------|------------------------|----------------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 170 / * | cm ³ /10min | ISO 1133 |
| Load | 5 / * | kg | - |
| ^[C] Molding shrinkage, parallel | 0.9 / * | % | 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 / 900 | MPa | ISO 527 |
| ^[C] Yield stress | 90 / 85 | MPa | ISO 527 |
| ^[C] Yield strain | 4 / 5 | % | ISO 527 |
| Flexural modulus, 23°C | 2750 / 800 | MPa | ISO 178 |
| Flexural strength | 110 / 35 | MPa | ISO 178 |
| ^[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 | 4 / 20 | kJ/m ² | ISO 179/1eA |
| ^[C] Charpy notched impact strength, -30°C | 2.4 / 2.4 | 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 | 66 / * | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 156 / * | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 199 / * | °C | ISO 306 |

[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]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|-------------------------|-------------------|-------------------|----------------------|
| ^[C] Density | 1120 / - | 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

Nucleated

Delivery form

Natural Color