

Product Texts

Extrusion, Food Contact Quality

ISO 1043 PA6

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|---|------------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 10 / * | cm ³ /10min | ISO 1133 |
| Temperature | 230 / * | °C | - |
| Load | 2.16 / * | kg | - |

[C]: CAMPUS

| Mechanical properties | dry / cond | Unit | Test Standard |
|--|------------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 2700 / - | MPa | ISO 527 |
| ^[C] Yield stress | 81 / - | MPa | ISO 527 |
| ^[C] Yield strain | 4.2 / - | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | N / - | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 4.5 / - | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|------------|------|----------------|
| ISO Data | | | |
| ^[C] Melting temperature, 10°C/min | 220 / * | °C | ISO 11357-1/-3 |
| ^[C] Temp. of deflection under load, 1.80 MPa | 62 / * | °C | ISO 75-1/-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|------------------------------------|------------|-------------------|----------------|
| ^[C] Humidity absorption | 2.8 / * | % | Sim. to ISO 62 |
| ^[C] Density | 1130 / - | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Material specific properties | dry / cond | Unit | Test Standard |
|---------------------------------|------------|--------------------|---------------------|
| ISO Data | | | |
| ^[C] Viscosity number | 183 / * | cm ³ /g | ISO 307, 1157, 1628 |

[C]: CAMPUS

Characteristics**Processing**

Injection Molding, Film Extrusion, Other Extrusion

Certifications

Food contact

Delivery form

Pellets

Regional Availability

Asia Pacific

Other text information**Injection molding**[Steel recommendations for molds screws and barrels](#)[Trouble shooting guideline for injection molding](#)