

Product Texts

8% glass fibre reinforced ABS-PA6 blend

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 4 | cm ³ /10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 5 | kg | - |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 3300 | MPa | ISO 527 |
| ^[C] Yield stress | 43 | MPa | ISO 527 |
| ^[C] Yield strain | 3 | % | ISO 527 |
| ^[C] Charpy impact strength, +23°C | 70 | kJ/m ² | ISO 179/1eU |
| ^[C] Charpy notched impact strength, +23°C | 13 | kJ/m ² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| ^[C] Temp. of deflection under load, 1.80 MPa | 76 | °C | ISO 75-1/-2 |
| ^[C] Temp. of deflection under load, 0.45 MPa | 152 | °C | ISO 75-1/-2 |
| ^[C] Vicat softening temperature, B | 115 | °C | ISO 306 |
| ^[C] Burning Behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |
| Yellow Card available | yes | - | - |

[C]: CAMPUS

| Electrical properties | Value | Unit | Test Standard |
|------------------------------------|-------|-------|---------------|
| ISO Data | | | |
| ^[C] Volume resistivity | 1E11 | Ohm*m | IEC 62631-3-1 |
| ^[C] Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| ^[C] Density | 1100 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 220 - 260 | °C | - |
| Mold temperature | 40 - 80 | °C | - |

Characteristics

Processing

Injection Molding

Delivery form

Granules

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information**Injection molding****PREPROCESSING; Pretreatment**

Predrying: 3-4h / 80°C

PROCESSING ;Processing:

| | | |
|------------------|-----------|----|
| Melttemperature | 220 - 260 | °C |
| Mouldtemperature | 40 - 80 | °C |