

TENAC™-C Z4520

POM

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| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|-------|------------------------|---------------|
| ISO Data | | | |
| ^[C] Melt volume-flow rate, MVR | 7.7 | cm ³ /10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Melt flow index, MFI | 9 | g/10min | ISO 1133 |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| ^[C] Tensile Modulus | 2700 | MPa | ISO 527 |
| Yield stress | 63 | MPa | ISO 527 |
| Strain at break | 35 | % | ISO 527 |
| Flexural modulus, 23°C | 2500 | MPa | ISO 178 |
| ^[C] Charpy notched impact strength, +23°C | 7 | 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 | 100 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 156 | °C | ISO 75-1/-2 |
| ^[C] Coeff. of linear therm. expansion, parallel | 100 | E-6/K | ISO 11359-1/-2 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|------------------------|-------|-------------------|---------------|
| ^[C] Density | 1410 | kg/m ³ | ISO 1183 |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 80 - 90 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Melt temperature | 180 - 210 | °C | - |
| Mold temperature | 60 | °C | - |

Characteristics**Processing**

Injection Molding

Features

Copolymer

Delivery form

Pellets

Regional Availability

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