# ALTECH POM A 1000/720 UV

POM — MOCOM Compounds GmbH & Co. KG

## Product Texts

| | |
|---|---|
| Base Polymer | Polyoxymethylene Copolymer |
| Special Features | heat stabilised,highly UV stabilised,good flow |
| Market Segment | Automotive,building and construction,various |
| Application Area | gear wheels, roller bearings,gardening tools,various |
| Typical Applications | functional components,fixing elements,various |

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Melt volume-flow rate, MVR | **8** | cm³/10min | ISO 1133 |
| Temperature | **190** | °C | - |
| Load | **2.16** | kg | - |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Tensile Modulus | **2600** | MPa | ISO 527 |
| [C] Yield stress | **60** | MPa | ISO 527 |
| [C] Yield strain | **9** | % | ISO 527 |
| [C] Charpy impact strength, +23°C | **170** | kJ/m² | ISO 179/1eU |
| [C] Charpy notched impact strength, +23°C | **8** | kJ/m² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Temp. of deflection under load, 1.80 MPa | **95** | °C | ISO 75-1/-2 |
| [C] Vicat softening temperature, B | **150** | °C | ISO 306 |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| [C] Density | **1400** | kg/m³ | ISO 1183 |

[C]: CAMPUS

## Characteristics

### Processing

Injection Molding

### Regional Availability

North America, Europe, Asia Pacific, Near East/Africa

### Special Characteristics

U.V. stabilized or stable to weather

## Other text information

### Injection molding

| | |
|---|---|
| Pre-Drying Conditions | in a dry air (dessiccant) dryer 100-110 °C<br>for 2-3 h<br>in an air circulating dryer 100-110 °C<br>for 3-5 h |
| Processing Injection Moulding | melt temperature 180-220 °C<br>mould temperature 60-80 °C |
| Storage | dry, protected from light |


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