# ALCOM PC 740/4 UV WT1240-10LD

PC-X — MOCOM Compounds GmbH & Co. KG

| Product Texts | |
|---|---|
| Base Polymer | Polycarbonate |
| Filler/Additive System | special filler |
| Special Features | high light transmission,light scattering,UV stabilised,good flow |
| Market Segment | Automotive,Lighting |
| Application Area | lighting,light transparent components |
| Typical Applications | lamp covers,display elements,operating elements |

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Melt volume-flow rate, MVR | **17** | cm³/10min | ISO 1133 |
| Temperature | **300** | °C | - |
| Load | **1.2** | kg | - |

[C]: CAMPUS

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Tensile Modulus | **2400** | MPa | ISO 527 |
| [C] Yield stress | **66** | MPa | ISO 527 |
| [C] Yield strain | **6** | % | ISO 527 |
| [C] Charpy impact strength, +23°C | **N** | kJ/m² | ISO 179/1eU |
| [C] Charpy notched impact strength, +23°C | **12** | kJ/m² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Temp. of deflection under load, 1.80 MPa | **124** | °C | ISO 75-1/-2 |
| [C] Vicat softening temperature, B | **142** | °C | ISO 306 |
| [C] Burning Behav. at 1.5 mm nom. thickn. | **HB** | class | IEC 60695-11-10 |
| Thickness tested | **1.5** | mm | - |
| Yellow Card available | **yes** | - | - |
| [C] Burning Behav. at thickness h | **V-2** | class | IEC 60695-11-10 |
| Thickness tested | **0.8** | mm | - |
| Yellow Card available | **yes** | - | - |

[C]: CAMPUS

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| [C] Density | **1190** | kg/m³ | ISO 1183 |

[C]: CAMPUS

## Characteristics

**Processing**
Injection Molding

**Features**
Light Diffusing

**Delivery form**
White

**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 | 120 °C in a dry air (dessiccant) dryer<br>for 2-4 h<br>120 °C in an air circulating dryer<br>for 4-12 h |

| | |
|---|---|
| | max. moisture content <0,02 % |
| Processing Injection Moulding | melt temperature 270-310 °C<br>mould temperature 80-110 °C |
| Storage | dry, protected from light |