# EMERGE™ PC 8600ECO-10

PC Trinseo

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Melt Flow Index, MFI | **10** | g/10min | ASTM D 1238 |
| Temperature | **300** | °C | - |
| Load | **1.2** | kg | - |
| Mold Shrinkage, MD | **0.006** | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ASTM Data** | | | |
| Tensile Modulus | **2800** | MPa | ASTM D 638 |
| Tensile Strength at Yield | **61** | MPa | ASTM D 638 |
| Tensile Strength at Break | **66** | MPa | ASTM D 638 |
| Elongation at Yield | **5** | % | ASTM D 638 |
| Elongation at Break | **120** | % | ASTM D 638 |
| Izod Impact notched, 1/8 in | **810** | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| Temp. of deflection under load, 1.80 MPa | **125** | °C | ISO 75-1/-2 |
| Vicat softening temperature, A | **150** | °C | ISO 306 |
| **ASTM Data** | | | |
| UL 94 Flame rating | **V-0** | - | UL 94 |
| Thickness tested | **1.5** | mm | - |
| DTUL @ 264 psi | **127** | °C | ASTM D 648 |
| Vicat Temperature | **149** | °C | ASTM D 1525 |

| Other properties | Value | Unit | Test Standard |
|---|---|---|---|
| Density | **1200** | kg/m³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|---|---|---|
| Pre-drying - Temperature | **120** | °C | - |
| Pre-drying - Time | **3 - 4** | h | - |
| Melt temperature | **270 - 300** | °C | - |
| Mold temperature | **80 - 110** | °C | - |

## Characteristics

**Processing**
Injection Molding

**Applications**
IT / Business Machine, Electrical and Electronical

**Special Characteristics**
Flame retardant, Phosphorus-free, Translucent

**Regional Availability**
Asia Pacific

**Certifications**
Recycled Resin Content


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