



HYBRID B2035IUG10

Ravago Manufacturing Americas - Polycarbonate + PBT

Saturday, January 18, 2020

General Information

Product Description

PC/PBT, 10% Glass Filled, UV Stabilized

General

| | |
|------------------------|-------------------------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Filler / Reinforcement | • Glass Fiber, 10% Filler by Weight |
| Additive | • UV Stabilizer |
| Features | • UV Resistant |
| RoHS Compliance | • RoHS Compliant |
| UL File Number | • E157012 |
| Forms | • Pellets |

ASTM & ISO Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-------------|
| Density | 1.35 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (260°C/3.8 kg) | 30 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 to 0.80 | % | ISO 294-4 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Break) | 74.0 | MPa | ISO 527-2 |
| Flexural Modulus | 4480 | MPa | ISO 178 |
| Flexural Stress | 120 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | 7.0 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 206 | °C | ISO 75-2/B |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 130 | °C | ISO 75-2/A |

Notes

¹ Typical properties: these are not to be construed as specifications.