

Panlite® AM-3330

TEIJIN LIMITED - Polycarbonate Alloy

General Information

Product Description

PC/ABS polymer alloy

General

| | | |
|-------------------|-----------------------------|-----------------|
| Properties | • High Flow | • High Hardness |
| Uses | • Automotive Interior Parts | |
| Forms | • Pellets | |
| Processing Method | • Injection Molding | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|------------------------|-----------------|
| Density | 1.14 | g/cm ³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (250°C/5.0 kg) | 24 | cm ³ /10min | ISO 1133 |
| Molding Shrinkage | | | Internal Method |
| Across Flow : 4.00 mm | 0.50 to 0.70 | % | |
| Flow : 4.00 mm | 0.50 to 0.70 | % | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield, 23°C) | 68.0 | MPa | ISO 527-2/50 |
| Tensile Stress (Break, 23°C) | 56.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Break, 23°C) | 93 | % | ISO 527-2/50 |
| Flexural Modulus ² (23°C) | 2580 | MPa | ISO 178 |
| Flexural Stress ² (23°C) | 95.0 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C) | 15 | kJ/m ² | ISO 179 |
| Charpy Unnotched Impact Strength (23°C) | No Break | | ISO 179 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ISO 75-2/A |
| 1.8 MPa, Unannealed | 100 | °C | |
| CLTE - Flow | 8.0E-5 | cm/cm/°C | ISO 11359-2 |
| CLTE - Transverse | 8.0E-5 | cm/cm/°C | ISO 11359-2 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 110 | °C |
| Drying Time | 5.0 to 8.0 | hr |
| Processing (Melt) Temp | 250 to 280 | °C |
| Mold Temperature | 50 to 80 | °C |

Notes

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

² 2.0 mm/min