



| Infino SC-1100R | | | |
|---|-------|-----------------|--------------------------|
| PC | | | Samsung Cheil Industries |
| Processing/Physical Characteristics | Value | Unit | Test Standard |
| ASTM Data | | | |
| Melt Flow Index | 9 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 10 | kg | - |
| Density, 73°F | 1220 | kg/m³ | ASTM D 792 |
| Rheological properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Melt flow index, MFI | 9 | g/10min | ISO 1133 |
| MFI temperature | 250 | °C | ISO 1133 |
| MFI load | 10 | kg | ISO 1133 |
| Mechanical properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Yield stress | 60 | MPa | ISO 527-1/-2 |
| Charpy notched impact strength (+23°C) | 25 | kJ/m² | ISO 179/1eA |
| Flexural modulus (23°C) | 2200 | MPa | ISO 178 |
| Izod Impact notched, 23°C | 25 | kJ/m² | ISO 180/1A |
| Rockwell hardness | R 120 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Strength at Yield | 64 | MPa | ASTM D 638 |
| Flexural Modulus | 2200 | MPa | ASTM D 790 |
| Flexural Strength | 97 | MPa | ASTM D 790 |
| Rockwell Hardness | R 122 | - | ASTM D 785 |
| Izod Impact notched, 1/4 in | 0.79 | kJ/m | ASTM D 256 |
| Thermal properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Vicat softening temperature, 50°C/h 50N | 140 | °C | ISO 306 |
| ASTM Data | | | |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 0.8 | mm | - |
| Other properties | Value | Unit | Test Standard |
| ISO Data | | | |
| Density | 1220 | kg/m³ | ISO 1183 |
| Characteristics | | | |
| Delivery form | | Features | |
| Pellets, Natural Color | | Low Odor | |