



| Infino SC-1100R                          |       |                            |                 |
|------------------------------------------|-------|----------------------------|-----------------|
| PC                                       |       | Lotte Chemical Corporation |                 |
| Processing/Physical Characteristics      | Value | Unit                       | Test Standard   |
| ASTM Data                                |       |                            |                 |
| Melt Flow Index                          | 11.5  | g/10min                    | ASTM D 1238     |
| Temperature                              | 300   | °C                         | -               |
| Load                                     | 1.2   | kg                         | -               |
| Mold Shrinkage, MD                       | 0.006 | mm/mm                      | ASTM D 955      |
| Mold Shrinkage, TD                       | 0.006 | mm/mm                      | ASTM D 955      |
| Density                                  | 1200  | kg/m³                      | ASTM D 792      |
|                                          |       |                            |                 |
| Rheological properties                   | Value | Unit                       | Test Standard   |
| ISO Data                                 |       |                            |                 |
| Molding shrinkage, parallel              | 0.6   | %                          | ISO 294-4, 2577 |
| Molding shrinkage, normal                | 0.6   | %                          | ISO 294-4, 2577 |
| Melt flow index, MFI                     | 11.5  | g/10min                    | ISO 1133        |
| MFI temperature                          | 300   | °C                         | -               |
| MFI load                                 | 1.2   | kg                         | -               |
|                                          |       |                            |                 |
| Mechanical properties                    | Value | Unit                       | Test Standard   |
| ISO Data                                 |       |                            |                 |
| Tensile Modulus                          | 2300  | MPa                        | ISO 527         |
| Yield stress                             | 64    | MPa                        | ISO 527         |
| Stress at break                          | 64    | MPa                        | ISO 527         |
| Strain at break                          | 110   | %                          | ISO 527         |
| Charpy notched impact strength, +23°C    | 75    | kJ/m²                      | ISO 179/1eA     |
| Flexural modulus, 23°C                   | 2300  | MPa                        | ISO 178         |
| Flexural strength                        | 92    | MPa                        | ISO 178         |
| Izod Impact notched, 23°C                | 80    | kJ/m²                      | ISO 180/1A      |
| Rockwell hardness                        | R 120 | -                          | ISO 2039-2      |
| ASTM Data                                |       |                            |                 |
| Tensile Modulus                          | 2300  | MPa                        | ASTM D 638      |
| Tensile Strength at Yield                | 63    | MPa                        | ASTM D 638      |
| Tensile Strength at Break                | 63    | MPa                        | ASTM D 638      |
| Elongation at Break                      | 110   | %                          | ASTM D 638      |
| Flexural Modulus                         | 2300  | MPa                        | ASTM D 790      |
| Flexural Strength                        | 90    | MPa                        | ASTM D 790      |
| Rockwell Hardness                        | R 120 | -                          | ASTM D 785      |
| Izod Impact notched, 1/8 in              | 850   | J/m                        | ASTM D 256      |
| Izod Impact notched, 1/4 in              | 150   | 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     |
| Temp. of deflection under load, 0.45 MPa | 137   | °C                         | ISO 75-1/-2     |
| Vicat softening temperature, 50°C/h 50N  | 146   | °C                         | ISO 306         |
| Burning behav. at 1.5 mm nom. thickn.    | V-2   | class                      | IEC 60695-11-10 |
| Thickness tested                         | 1.5   | mm                         | -               |
| Burning behav. at thickness h            | V-2   | class                      | IEC 60695-11-10 |
| Thickness tested                         | 0.8   | mm                         | -               |
| ASTM Data                                |       |                            |                 |
| UL 94 Flame rating                       | V-2   | -                          | UL 94           |
| Thickness tested                         | 0.75  | mm                         | -               |

