

INFINO LS-1159S

(PC+ABS)-GF

Lotte Chemical Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|---------------|-------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 9 | g/10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 9 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 2.16 | kg | - |
| Mold Shrinkage, MD | 0.0035 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.0035 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 4000 | MPa | ISO 527 |
| Yield stress | 90 | MPa | ISO 527 |
| Stress at break | 90 | MPa | ISO 527 |
| Strain at break | 3 | % | ISO 527 |
| Flexural modulus, 23°C | 4500 | MPa | ISO 178 |
| Flexural strength | 120 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 8 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 8 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R 120 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Modulus | 3900 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 88 | MPa | ASTM D 638 |
| Tensile Strength at Break | 88 | MPa | ASTM D 638 |
| Elongation at Break | 3 | % | ASTM D 638 |
| Flexural Modulus | 4400 | MPa | ASTM D 790 |
| Flexural Strength | 120 | MPa | ASTM D 790 |
| Rockwell Hardness | R 120 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 79 | J/m | ASTM D 256 |
| Izod Impact notched, 1/4 in | 79 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 90 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 93 | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | V-1 | class | IEC 60695-11-10 |
| Thickness tested | 1.5 | mm | - |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-1 | - | UL 94 |
| Thickness tested | 1.5 | mm | - |
| DTUL @ 66 psi | 93 | °C | ASTM D 648 |
| DTUL @ 264 psi | 90 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1280 | kg/m ³ | ISO 1183 |
| Density | 1280 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 85 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 250 - 270 | °C | - |
| Mold temperature | 60 - 80 | °C | - |

INFINO LS-1159S

(PC+ABS)-GF

Lotte Chemical Corporation

| | | | |
|--------------------|------------------|-----|---|
| Zone 1 | 230 - 250 | °C | - |
| Zone 2 | 240 - 260 | °C | - |
| Zone 3 | 255 - 275 | °C | - |
| Nozzle temperature | 265 | °C | - |
| Screw speed | 50 - 80 | rpm | - |
| Injection pressure | 69 - 150 | MPa | - |
| Back pressure | 0.5 - 2.5 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Applications

Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific