

INFINO HF-3200H

PC-GF

Lotte Chemical Corporation

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|---------------|-------------|----------------------|
| ISO Data | | | |
| Melt flow index, MFI | 11 | g/10min | ISO 1133 |
| Temperature | 250 | °C | - |
| Load | 10 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 11 | g/10min | ASTM D 1238 |
| Temperature | 250 | °C | - |
| Load | 10 | kg | - |
| Mold Shrinkage, MD | 0.0045 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.0045 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|--------------|-------------------|----------------------|
| ISO Data | | | |
| Tensile Modulus | 5100 | MPa | ISO 527 |
| Yield stress | 110 | MPa | ISO 527 |
| Stress at break | 115 | MPa | ISO 527 |
| Strain at break | 3.7 | % | ISO 527 |
| Flexural modulus, 23°C | 5800 | MPa | ISO 178 |
| Flexural strength | 170 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 14 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 11.5 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | R 118 | - | ISO 2039-2 |
| ASTM Data | | | |
| Tensile Modulus | 4900 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 110 | MPa | ASTM D 638 |
| Tensile Strength at Break | 110 | MPa | ASTM D 638 |
| Elongation at Break | 4.3 | % | ASTM D 638 |
| Flexural Modulus | 5400 | MPa | ASTM D 790 |
| Flexural Strength | 150 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 150 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 140 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 145 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 147 | °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-0 | class | IEC 60695-11-10 |
| Thickness tested | 3.0 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-2 | - | UL 94 |
| Thickness tested | 1.5 | mm | - |
| DTUL @ 66 psi | 145 | °C | ASTM D 648 |
| DTUL @ 264 psi | 140 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1370 | kg/m ³ | ISO 1183 |
| Density | 1370 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|--|------------------|-------------|----------------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Processing humidity | ≤0.05 | % | - |
| Melt temperature | 280 | °C | - |
| Mold temperature | 70 - 100 | °C | - |
| Zone 1 | 250 - 260 | °C | - |

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| | | | |
|--------------------|------------------|-----|---|
| Zone 2 | 260 - 270 | °C | - |
| Zone 3 | 280 - 285 | °C | - |
| Nozzle temperature | 285 | °C | - |
| Screw speed | 50 - 150 | rpm | - |
| Injection pressure | 69 - 230 | MPa | - |
| Back pressure | 0.5 - 2 | MPa | - |

Characteristics**Processing**

Injection Molding

Delivery form

Pellets, Natural Color

Applications

IT / Business Machine

Regional Availability

North America, Europe, Asia Pacific