

Matrixx 55S7103

PC-GF10

LyondellBasell Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|----------------------|-------------------|----------------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 12 | g/10min | ASTM D 1238 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| Mold Shrinkage, MD | 0.003 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength at Yield | 62.1 | MPa | ASTM D 638 |
| Flexural Modulus | 3310 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 130 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ISO Data | | | |
| Burning behav. 5V at thickness h | 5VA | class | IEC 60695-11-20 |
| Thickness tested | 2.5 | mm | - |
| ASTM Data | | | |
| UL 94 Flame rating | V-0 | - | UL 94 |
| Thickness tested | 1.5 | mm | - |
| DTUL @ 66 psi | 141 | °C | ASTM D 648 |
| DTUL @ 264 psi | 138 | °C | ASTM D 648 |
| Other properties | | | |
| Density | 1260 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Pre-drying - Temperature | 121 | °C | - |
| Pre-drying - Time | 4 - 6 | h | - |
| Melt temperature | 293 - 321 | °C | - |
| Mold temperature | 71 - 104 | °C | - |
| Zone 1 | 282 - 310 | °C | - |
| Zone 2 | 282 - 310 | °C | - |
| Zone 3 | 282 - 310 | °C | - |
| Back pressure | 0.345 - 0.689 | MPa | - |

Characteristics**Delivery form**

Pellets

Regional Availability

North America

Special Characteristics

Flame retardant