

POLYPUR® FPU 1152C

TPU

LyondellBasell Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|--------------|-------------|----------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.1 | mm/mm | ASTM D 955 |
| Mold Shrinkage, TD | 0.3 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Tensile Strength at Yield | 26 | MPa | ASTM D 638 |
| Elongation at Break | 400 | % | ASTM D 638 |
| Flexural Modulus | 750 | MPa | ASTM D 790 |
| Shore D Hardness | 56 | - | ASTM D 2240 |
| Izod Impact notched, 1/8 in | 480 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|--------------|-------------|----------------------|
| ASTM Data | | | |
| Coefficient of Thermal Expansion, TD | 20 | E-6/K | ASTM D 696 |
| DTUL @ 66 psi | 75 | °C | ASTM D 648 |
| DTUL @ 264 psi | 53 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|-------------------------|--------------|-------------------|----------------------|
| Density | 1270 | kg/m ³ | ASTM D 792 |

Characteristics**Processing**

Injection Molding

Regional Availability

North America