

FDM TPU 92A

TPU

Stratasys Ltd.

| Mechanical properties | Value | Unit | Test Standard |
|-----------------------|-------|------|---------------|
| ISO Data | | | |
| Shore A hardness | 92 | - | ISO 7619-1 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 38 | °C | ASTM D 648 |
| Vicat Temperature | 95 | °C | ASTM D 1525 |
| Other Standards^[5] | | | |
| Glass Transition Temperature | -42 | °C | |

S: These properties are reported by the producer according standards that are different to our defaults.

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1140 | kg/m ³ | ASTM D 792 |

| 3D Data | Value | Unit | Test Standard |
|----------------------------|---------------------|------|---------------|
| Tensile modulus, flat | 15.3 ^[1] | MPa | - |
| Tensile modulus, on-edge | 20.7 ^[2] | MPa | - |
| Stress at break, flat | 16.8 ^[1] | MPa | - |
| Stress at break, on-edge | 17.4 ^[2] | MPa | - |
| Strain at break, flat | 552 ^[1] | % | - |
| Strain at break, on-edge | 482 ^[2] | % | - |
| Flexural modulus, flat | 25.6 ^[3] | MPa | - |
| Flexural modulus, on-edge | 36.9 ^[4] | MPa | - |
| Flexural strength, flat | 1.8 ^[3] | MPa | - |
| Flexural strength, on-edge | 2.4 ^[4] | MPa | - |

1: XY-direction; reference to ASTM D412 2: XZ-direction; reference to ASTM D412 3: XY-direction; reference to ASTM D790 4: XZ-direction; reference to ASTM D790

Characteristics**Processing**

Additive Manufacturing

Delivery form

Monofilament

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa