

BEE SUPPLIES
3D PRINTING FILAMENT

TECHNICAL DATASHEET

TPU - FLEX

RAW MATERIAL TPU - Thermoplastic Polyurethane

APPLICATION 3D Printing

MATERIAL SPECIFICATIONS

| | | TEST METHOD (ASTM) |
|-------------------------|------------------------|-------------------------------|
| Density | 1,20 g/cm ³ | DIN 1505 |
| Hardness | 90-92 Shore A | DIN53505 |
| Melting point | 180-195°C | DIN 3418 |
| Tear Strength | >90 N/mm | DIN 53515 |
| Tensile Strength | >40 MPa | DIN 53504 |
| Degradation Temperature | 235°C | - |

FILAMENT SPECIFICATIONS

| | |
|---|----------------|
| Diameter 1.75mm | 1.75 ± 0.05 mm |
| Roundness deviation | max 3% |
| Suggested print temperature (guideline) | 205-225°C |
| Suggested print speed | 20-40 mm/s |
| Suggested bed temperature | not necessary |

Manufactured for BEEVERYCREATIVE