

FILAMENT

TPU 70D

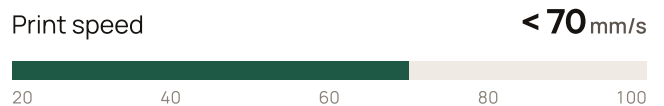
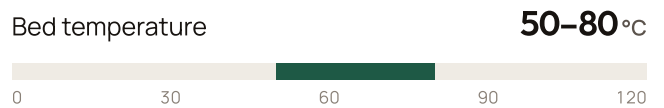
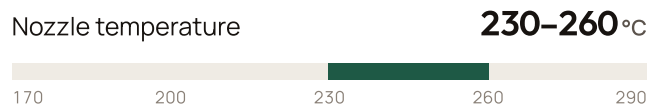
Thermoplastic polyurethane, hard grade

TPU 70D is a harder, stiffer TPU that trades some flexibility for wear resistance and strength. It stays flexible above its glass transition temperature of -24°C .

DIAMETER	1.75 mm
HARDNESS	Shore 70D
GLASS TRANSITION	-24°C

KEY FEATURES

- Harder and stiffer than TPU 95A
- Wear resistant
- Flexible above -24°C
- Hardness 70D on the Shore D scale

RECOMMENDED PRINT SETTINGS


Start in the middle of each range and adjust for your printer, nozzle and cooling.

MATERIAL PROPERTIES

PROPERTY	TYPICAL VALUE
Density	$1.12\text{--}1.22\text{ g/cm}^3$
Melt temperature	$140\text{--}165^{\circ}\text{C}$
Glass transition temperature (T_g)	-24°C
Tensile modulus	35 MPa
Ultimate elongation	380 %
Stress at 100 % elongation	14 MPa
Compressive strength	26 MPa

The values in this data sheet are typical values, given for reference and for comparing materials. They are not guaranteed specifications and may vary with colour, batch, print settings and part geometry. Test the material in your own application before use.