

3DPower Elasti TPU 90

3DPower Elasti TPU 90 is another filament from the 3DPower portfolio designed for more advanced users. Its remarkable flexibility with a Shore hardness of 90A and the ability to stretch up to 500% make this filament an excellent choice for projects with high demands on flexibility. Additionally, its temperature resistance (up to 76°C) and high chemical resistance make it ideal for many demanding applications.

Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	500g
Nozzle temperature:	215-240°C
Bed temperature:	30-60°C
Cooling:	30-100%
Print speed:	15-60mm/s

Technical data

Property	Typical value	Test method
Density	1.21 g/cm ³	DIN 53479
Shore Hardness	90A	DIN 53505
Heat Deflection Temperature (HDT – B)	76°C	
Tensile strength	37 MPa	DIN 53504
Elongation at break	507%	DIN 53515
Tear strength	86 N/mm	DIN 53515
Abrasion resistance	33 mm ³	DIN 53516

Disclaimer

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