



Ultrafuse® TPS 90A

Ultrafuse® TPS 90A has been developed especially for Fused Filament Fabrication and offers an outstanding non-slip soft touch. This unique flexible filament is characterized by its soft haptics, low moisture uptake as well as good layer adhesion. The special smooth surface makes Ultrafuse® TPS 90A the perfect choice for handles of appliances, small series seals and gaskets.

Benefits at a Glance

- Soft touch
- Non-slip properties
- Reduced moisture uptake
- Excellent layer adhesion
- Very good low-temperature flexibility

Example Applications

- Functional flexible parts
- Handles of appliances
- Seals and gaskets

Material Properties

Shore A Hardness	89
Abrasion Resistance	111 mm ³
Compression set at 23°C, 72 h:	75 %
Stress at Break:	7 MPa (XY), 2 MPa (ZX)
Elongation at Break:	280 % (XY), 9 % (ZX)
Tear Strength:	10 kN/m (XY), 5 kN/m (XZ), 4 kN/m (ZX)

Printing Guidelines

Nozzle Temperature	260–280 °C
Bed Temperature	70–90 °C
Nozzle Diameter	≥ 0.4 mm
Bed Modification	PEI, PI or glue
Print Speed	10-30 mm/sec

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