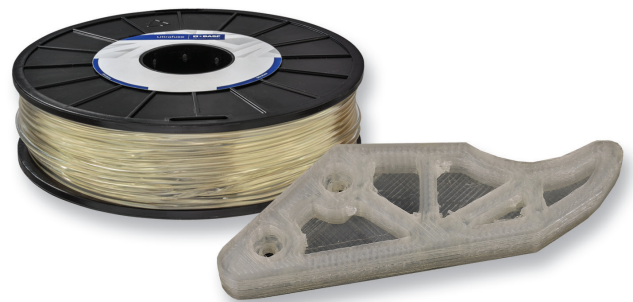


Factsheet | Ultrafuse TPU 80A LF

TPU filament that works in bowden extruders!

Ultrafuse TPU 80A LF is one of the most flexible filaments on the market. This filament can be printed on many open platforms and works for both bowden and direct drive extruders.

This is a perfect filament for applications that require toughness and flexibility to the max. No other filament on the market can match the printability of this extremely flexible filament.

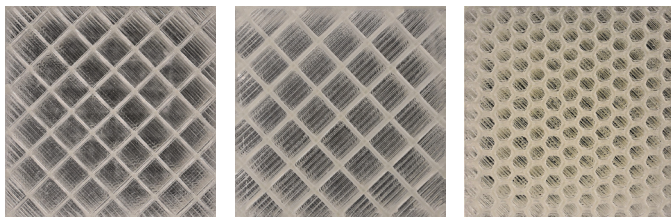


Gripper in Ultrafuse TPU 80A LF

Ultrafuse TPU 80A LF applications

- Print-in-place soft springs, high grip and conformal clamps
- Bumpers, vibration absorbers, insulation mounts
- Seals, gaskets, suction cups, boots, plugs
- Part catchers, shoe straps

Specially formulated to enable printing in bowden type extruders



Soft, rectilinear



Medium, grid



Strong, honeycomb

Advantages of Ultrafuse TPU 80A LF

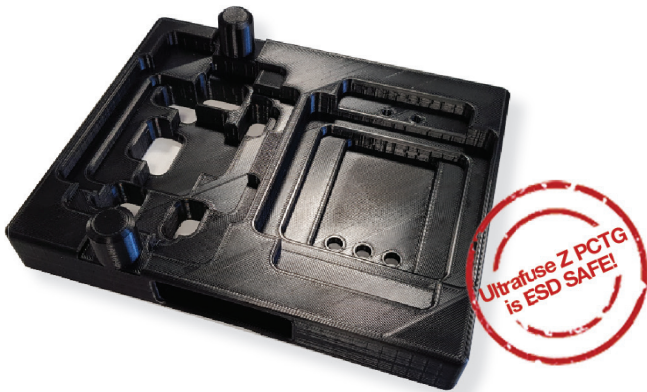
- One of the first flexible filaments designed to work in bowden type extruders
- Extremely flexible yet still tough
- Good chemical resistance
- Abrasion-resistant

Recommended Print Settings based on 0.4 mm nozzle

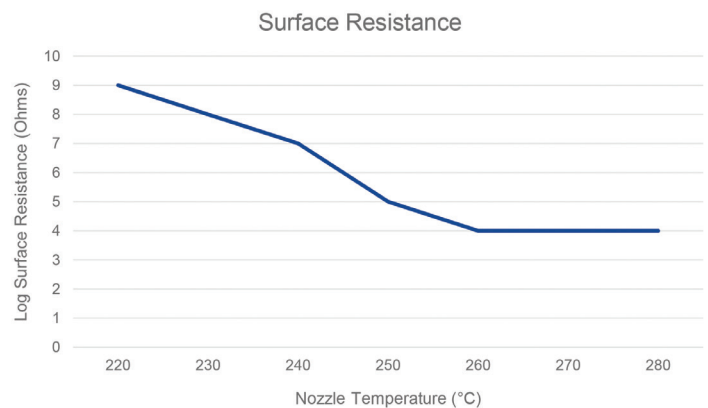
Nozzle temperature	233 – 240 °C / 451 – 464 °F
Bed temperature	50 - 80 °C / 122 – 176 °F
Nozzle diameter	≥ 0.4 mm
Bed modification	Clean glass
Print speed	18- 25 mm/s

Properties	TPU 80A LF	TPU 85A	InnoFlex 65D
Ease of printing	+	+	++
Damping behavior	++	++	+
Impact strength at low temperatures	++	++	+/-
Abrasion resistance	+	++	+
Layer adhesion	++	++	++

Factsheet | Ultrafuse Z PCTG



Production line fixture to hold ESD-sensitive components during manufacture



The first official ESD safe filament by BASF

Ultrafuse Z PCTG is an ESD safe filament that has been developed specifically for the printing of handheld tools, various assembly and electronic fixtures, robotics, automation components, and parts for explosion-proof environments.

It shows very smooth surface properties, which help to prevent latent failures in electronics. Ultrafuse Z PCTG is an easy to print material, with a significantly increased impact strength when compared to PETG.

Advantages of Ultrafuse Z PCTG

- All-purpose material for ESD safe electronic jigs and fixtures
- Non-marring
- Low cost
- Easy to print, machine, and finish
- Strong enough for lightly loaded fixtures

Ultrafuse Z PCTG applications

- Handheld tools
- General assembly fixtures for electronics
- Robotics and automation components
- Parts for explosion proof environments

Ultrafuse Z
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Visit Innofil3D.com to learn more.