

TPU 90A Filament

Recommended Print Settings



Print Temperature

The optimal printing range is 220° – 230°C



Cooling

For the best results cool to 100%.



Bed Temperature

Up to 50°C



Bed Adhesion

Use a heated build plate, brim, or PVA glue stick.



Printing Speed

Base printing speed of 20 mm/s

Infill speed of 15 mm/s

Wall speed of 18 mm/s

Initial layer speed of 15 mm/s



Other Tips

Use low extruder motor tension.

If using Ultimaker Cura, enable the Jabil TPU 90A material profile available in the Marketplace or manually type in the settings from the information above.

Disclaimer: Due to the large variety of printers and part geometries, the given process parameters are a guideline.

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TPU 90A is an easy processing, standard product for printing jobs requiring rubber-like elasticity. This filament is ideal when low scratch and mar or soft touch feel are needed along with improved impact strength. It delivers rubber-like elasticity and is resistant to abrasions and performs well even at low temperatures.

Applications

- Automotive, aerospace, general manufacturing
- Can be used for parts that need to maintain flexibility and/or require a resistance to oils, greases, and other solvents

Examples include:

- Jigs, fixtures, and tooling
- Touch pads
- Grips
- Soft feet with low coefficient of friction (CoF)
- Seals

Advantages

- Easy printability, very consistent results
- Abrasion resistance
- Soft-touch properties
- Impact strength
- Elastomeric properties
- Operating temperature range of -40° C to 95° C
- Good chemical resistance to oils, greases, and other solvents

Diameters

1.75mm and 2.85mm



jabil.com/filaments

Questions? Contact us:
JabilAdditive@jabil.com



Learn More About
TPU 90A

For the latest print profiles, search for Jabil Engineered Materials in the Cura Marketplace.