

Suited for Advanced Users

PCTPE by Taulman 3D

3 mm , 1lb reel

PCTPE boasts a unique combination of high strength nylon and flexible thermoplastic elastomer ingredients, allowing you to 3D print durable objects with semi-smooth texture that can withstand bending and twisting while exhibiting minimal stretching.

Like other Taulman nylons, white PCTPE is glossy white with medium-opacity and can be dyed to achieve custom color profiles. See examples using Rit® brand dye shown in the photo window of this product page. Taulman PCTPE is also available in our custom LulzBot Green color!

PRODUCT ALERT (1)

Print Surface Recommendation:

Taulman PCTPE is a nylon filament material, therefore applying a glue stick (such as Elmer's® brand) directly to the print surface before starting your LulzBot is strongly recommended.

Works with: LulzBot Mini, LulzBot TAZ 6, LulzBot TAZ 5, LulzBot TAZ 1-4, LulzBot TAZ/Mini Aerostruder, LulzBot TAZ Dual Extruder, LulzBot TAZ FlexyDually, LulzBot Hexagon, LulzBot TAZ 6 Hexagon, LulzBot TAZ 5 Hexagon, LulzBot TAZ 1-4 Budaschnozzle, LulzBot Budaschnozzle

Colors

 LulzBot Green Natural

Features

PCTPE's ability to bend and twist under duress with minimal stretching is optimal for wearables, cosplay costume harnesses and prop prosthetics, tubing, flexible electronics enclosures, and more.

Using 3D modeling, you can increase the ability of PCTPE to function as a grip by designing raised surface features like ridges.

Parts & Specifications

Filament Specifications

Filament Diameter: 3 mm (.118 inches)

Amount of Filament: .454 kg (1 lbs)

Filament color may vary

Printing Specifications

Special Tool Head Requirements: LulzBot Hexagon Hot End recommended

Hot End Temperature Range: 235°C

Print Surface: PEI film recommended with a glue stick (such as UHU® brand) applied to the print surface prior to powering on your LulzBot. Maintain the print surface by powering off your LulzBot and cleaning the glue stick residue with a soft cloth and water.

Print Surface Temperature: 100°C

Packaging Information

Taulman PCTPE ships vacuum sealed with a rubber band and mesh securing the filament mounted on a reel.

Storage Specifications

Store your filament in an air tight container. The use of desiccant is encouraged as nylon filament will absorb moisture from the air.