

HTADB-10

Anycubic TPU 68D Filament in Blue - 1 kg Spool size

Product Overview

Anycubic TPU 68D Filament in Blue - 1 kg Spool size, Flexible thermoplastic Polyurethane with 68D hardness, Printing temperature range of 210-250 Degrees C, Printing Speed between 40-250 mm/s, Suitable for All nozzle materials with recommended size of 0.4 mm or above



Specifications

Overview Summary:

Upgrade your 3D printing projects with the Anycubic TPU 68D Filament in Blue, specifically engineered for South African makers who need durable and flexible parts. This functional-grade thermoplastic offers exceptional impact resistance and flexibility, making it perfect for creating protective cases, toys, and sports equipment components that withstand real-world stress. With intelligent spool identification support and compatibility with the Anycubic ACE system, achieving consistent high-quality prints is easier than ever.

Whether you are prototyping electronic device covers or designing custom accessories, this filament delivers a tensile strength of 23.5 MPa and an elongation at break of 650%. We recommend drying the filament before use to ensure optimal layer adhesion and print quality. Take advantage of this versatile material today by buying now from our online store.

Performance tier:High Flexibility & Impact Resistance

Uses:Electronic device cases, toys, sports equipment parts, protective covers, flexible hinges

Overview:

The Anycubic TPU 68D filament in Blue is a high-performance thermoplastic polyurethane designed for makers and engineers who require durable, flexible parts that can withstand real-world stress. With a tensile strength of 23.5 MPa and an elongation at break reaching 650%, this material excels in applications demanding impact resistance and flexibility. It is perfectly suited for creating functional prototypes, electronic device cases, toys, and sports equipment components. The filament supports a wide printing speed range from 40 to 250 mm/s and operates effectively within a nozzle temperature of 210-250 degrees Celsius, making it compatible with various printer setups.

Description:

This blue TPU filament delivers exceptional flexibility and strength for demanding projects. The Anycubic TPU 68D (Part Number HTADB-10) is engineered to work seamlessly with the Anycubic ACE system through intelligent spool identification, ensuring smooth workflow and reduced waste thanks to its reusable design. It adapts well to standard nozzle sizes of 0.4 mm or larger and works with all common nozzle materials. For the best results, drying the filament at 65-75 degrees Celsius for 6 to 8 hours prior to use is recommended to maintain optimal print quality.

Features:**Key Benefits**

This functional-grade material combines ease of use with industrial durability. Users benefit from a broad compatibility range that includes standard and high-speed printing setups, while the intelligent spool recognition system helps prevent filament jams and errors. The blue color provides clear visual contrast for detailed projects.

- 68D hardness formulation ideal for flexible yet durable functional parts
- High elongation at break of 650% ensures excellent impact resistance
- Wide printing speed range from 40 to 250 mm/s adapts to various printer capabilities
- Compatible with all nozzle materials including standard 0.4 mm nozzles and larger
- Supports Anycubic ACE intelligent spool identification for automated tracking
- Reusable filament spool design helps reduce material waste
- Ideal applications include electronic device cases, toys, and sports equipment parts

Technical Specifications:

The following data outlines the physical and printing properties of this 1kg blue spool. These metrics ensure consistent performance across different environments.

- Colour: Blue (#5E93DB)
- Spool Size: 1kg
- Density: 1.26 g/cm cubed
- Melt Index: 12 plus or minus 1 g/10 min (at 190 degrees Celsius and 2.16 kg load)
- Heat Deflection Temperature: 183 degrees Celsius under 0.45 MPa pressure
- Saturated Water Absorption Rate: 1.2 percent
- Tensile Strength: 23.5 plus or minus 0.5 MPa
- Elongation at Break: 650 plus or minus 20 percent
- Z-axis Tensile Strength: 14 plus or minus 0.5 MPa
- Filament Type: Functional filaments

Printing Guidelines

To achieve the best results with this material, adhere to the recommended settings and preparation steps.

- Nozzle Size: Recommended 0.4 mm or above
- Nozzle Material: All types compatible
- Printing Temperature: 210-250 degrees Celsius
- Heated Bed Temperature: 35-60 degrees Celsius
- Dry Out Before Use: Recommended to ensure quality
- Drying Condition: Convection oven at 65-75 degrees Celsius for 6-8 hours

What's in the Box

The package includes one unit of Anycubic TPU 68D filament 1kg in Blue. This ensures you have everything needed to start printing your flexible projects immediately.

- Anycubic TPU 68D filament 1kg - Blue x1

Specifications:

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Specifications

Product Code	HTADB-10
Colour	Blue (#5E93DB)
Spool Size	1kg
Dry Out Before Use	Recommended
Drying Condition	Convection oven 65-75 degreesC, 6-8 h
ACE Compatibility	Supported
Nozzle Size	Recommended 0.4 mm or above
Nozzle Material	All Type
Printing Temperature	210-250 degreesC
Heated Bed Temperature	35-60 degreesC
Recommended Printing Speed	40-250 mm/s
Density	1.26 g/cm ³
Melt Index	12+/-1 g/10 min (190degreesC/2.16kg)
Heat Deflection Temperature (0.45MPa)	183 degreesC
Saturated Water Absorption Rate	1.2%
Tensile Strength	23.5+/-0.5MPa
Elongation at Break	650+/-20%
Tensile Strength (Z)	14+/-0.5MPa
Filament Type	Functional filaments
Recommended to Print	Electronic device cases, toys, sports equipment parts
Intelligent Identification	Supported
Reusable Filament Spool	Supported

FAQ

Is this filament compatible with the Anycubic ACE system?

The Anycubic TPU 68D Filament supports intelligent spool identification and is fully compatible with the Anycubic ACE system for seamless printing.

What temperature settings should I use to print with this blue TPU filament?

To ensure optimal results, set your nozzle temperature between 210-250 degrees C and keep the heated bed at 35-60 degrees C while printing at speeds ranging from 40 to 250 mm/s.

Do I need to dry the filament before using it?

Drying is recommended prior to use to guarantee consistent results; we suggest drying the spool in a convection oven at 65-75

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Product Specification Sheet

degrees C for 6-8 hours, as the material has a saturated water absorption rate of 1.2%.

What nozzle sizes and materials work best with this filament?

This functional-grade TPU is compatible with all nozzle materials, but we recommend using a 0.4 mm nozzle or larger for best performance.

What kind of projects is the Anycubic TPU 68D ideal for?

With its high elongation at break and impact resistance, this filament is perfect for functional applications like electronic device cases, toys, and sports equipment parts that need to flex without breaking.

Is the spool reusable after printing?

Yes, the Anycubic TPU 68D comes on a reusable filament spool designed to help reduce material waste once the 1kg of blue filament is used up.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/HTADB-10-Anycubic-TPU-68D-Filament-in-Blue-1-kg-Spool-Buy-p-341350.php>

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