

HTABW-10

Anycubic TPU 68D Filament 1kg - White

Product Overview

Anycubic TPU 68D Filament 1kg - White, Flexible 68D TPU formulation for functional parts, Printing Speed range of 40-250 mm/s, Nozzle temperature range of 210-250 degreesC, Heated bed temperature of 35-60 degreesC, Compatible with All nozzle materials, Recommended nozzle size of 0.4 mm or above, Supports Anycubic ACE Intelligent Spool identification



Specifications

Overview Summary:

Upgrade your 3D printing projects with the Anycubic TPU 68D Filament in White, a high-performance material designed for South African creators who demand durability and flexibility. This functional-grade thermoplastic polyurethane delivers exceptional impact resistance and elasticity, making it perfect for creating electronic device cases, durable toys, and sports equipment parts that can withstand real-world use. With broad nozzle compatibility and support for the Anycubic ACE system, this filament ensures smooth printing at speeds up to 250 mm/s while maintaining high tensile strength.

Whether you are prototyping functional components or producing end-use items, this white TPU filament offers a reliable solution that balances flexibility with structural integrity. To ensure optimal print quality, we recommend drying the spool before use in a convection oven. Buy now to experience professional-grade results and start creating resilient parts today.

Performance tier:High

Uses:Electronic device cases, toys, sports equipment parts, functional prototypes, flexible hinges, impact-resistant mounts

Overview:

The Anycubic TPU 68D filament in white offers a robust solution for makers seeking durable, flexible parts that can withstand real-world stress. Designed as a functional-grade thermoplastic polyurethane, this material excels at absorbing impact while maintaining the flexibility required for items like electronic device cases, toys, and sports equipment components. With impressive tensile strength of 23.5 MPa and an elongation at break reaching up to 650%, it ensures your prints remain resilient under pressure.

Designed for versatility, this filament supports a broad printing speed range from 40 to 250 mm/s and operates effectively with nozzle temperatures between 210 and 250 degrees Celsius. It works seamlessly with all standard nozzle materials and sizes of 0.4 mm or larger. The spool includes intelligent identification technology compatible with the Anycubic ACE system, ensuring smooth automated printing workflows. To achieve the best results, especially given the hygroscopic nature of TPU materials, it is recommended to dry the filament in a convection oven at 65-75 degrees Celsius for 6 to 8 hours before use.

Description:

This 1kg white spool of Anycubic TPU 68D filament delivers exceptional flexibility and impact resistance, making it ideal for functional prototypes and end-use parts. The material balances durability with a high degree of elasticity, allowing for printed items that can bend without breaking. Key benefits include seamless integration with the Anycubic ACE automated system through intelligent spool recognition, reduced waste thanks to a reusable spool design, and broad compatibility with standard 3D printing hardware.

Features:

Key Features:

- 68D hardness TPU formulation ideal for flexible yet durable functional parts
- High elongation at break of 650% ensures excellent flexibility and impact resistance
- Wide printing speed range from 40 to 250 mm/s compatible with various printer models
- Compatible with all nozzle materials; recommended nozzle size is 0.4 mm or larger
- Supports Anycubic ACE intelligent spool identification for automated workflows
- Reusable filament spool design helps reduce material waste and storage clutter
- Ideal applications include electronic device cases, toys, and sports equipment parts

For those looking to expand their printing capabilities with a reliable flexible material, the part number HTABW-10 represents a high-quality choice. The filament maintains consistent diameter and quality throughout the spool, ensuring smooth extrusion even during complex prints. Its density of 1.26 g/cm contributes to precise weight calculations for your projects.

Technical Specifications:

- Colour: White (#F1F0ED)
- Spool Size: 1kg
- Dry Out Before Use: Recommended
- Drying Condition: Convection oven 65-75 degrees C, 6-8 hours
- ACE Compatibility: Supported
- Nozzle Size: Recommended 0.4 mm or above
- Nozzle Material: All Type
- Printing Temperature: 210-250 degrees C
- Heated Bed Temperature: 35-60 degrees C
- Recommended Printing Speed: 40-250 mm/s
- Density: 1.26 g/cm
- Melt Index: 12+/-1 g/10 min (190 degrees C/2.16kg)
- Heat Deflection Temperature (0.45MPa): 183 degrees C
- Saturated Water Absorption Rate: 1.2%
- Tensile Strength: 23.5+/-0.5 MPa
- Elongation at Break: 650+/-20%
- Tensile Strength (Z): 14+/-0.5 MPa
- Filament Type: Functional filaments
- Intelligent Identification: Supported
- Reusable Filament Spool: Supported

What's in the Box

- Anycubic TPU 68D filament 1kg - White x1

Specifications:

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Product Specification Sheet

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 Anycubic ACE systems?

The Anycubic TPU 68D supports intelligent spool identification and is specifically designed to be compatible with the Anycubic ACE system.

What printer settings are required for optimal printing results?

You should set your nozzle temperature between 210-250 degrees C and keep the heated bed at 35-60 degrees C. Recommended printing speeds range from 40 to 250 mm/s using a nozzle size of 0.4 mm or larger.

How should I prepare the filament before printing?

Drying is recommended to ensure consistent results; place the spool in a convection oven at 65-75 degrees C for 6-8 hours prior to use due to its water absorption properties.

What types of parts are best suited for this material?

This functional-grade TPU is ideal for creating flexible, impact-resistant items such as electronic device cases, toys, and sports equipment parts thanks to its high elongation at break.

Can I reuse the spool after finishing the filament?

Yes, the packaging features a reusable filament spool designed to help reduce material waste once you have used up the 1kg of white TPU filament.

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/HTABW-10-Ancubic-TPU-68D-Filament-1kg-White-Buy-p-341847.php>

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