

## Amazon Basics ABS175WH11000C

# Amazon Basics ABS 3D Printer Filament 1.75mm, 1kg Spool, White

Model: ABS175WH11000C

## INTRODUCTION

This instruction manual provides essential information for the proper use and maintenance of your Amazon Basics ABS 3D Printer Filament. Acrylonitrile Butadiene Styrene (ABS) is a robust thermoplastic material known for its strength and heat resistance, making it suitable for durable 3D printed objects. Adhering to these guidelines will help ensure optimal printing results and prolong the life of your filament.

## PRODUCT FEATURES

- Filament for 3D printers (1.75 mm diameter, white, 1 kg spool). Designed to fit most standard 3D printers (verify spool size for compatibility).
- Made from ABS, a strong thermoplastic material commonly used for creating durable objects requiring high heat resistance.
- Integrated indicator on spools shows the percentage of material remaining and approximate remaining length.
- Designed to reduce clogging; keep dry and away from UV light.
- Note: Proper configuration of your 3D printer settings is crucial for successful printing.

## SETUP

Before beginning your 3D print, ensure your printer is properly calibrated and prepared for ABS filament. ABS requires specific environmental conditions for successful printing.

1. **Unpack the Filament:** Carefully remove the filament spool from its packaging. The spool is typically vacuum-sealed with a desiccant packet to prevent moisture absorption.
2. **Load the Filament:** Follow your 3D printer's instructions for loading new filament. Ensure the filament feeds smoothly into the extruder without tangling.
3. **Printer Environment:** ABS is prone to warping due to temperature fluctuations. It is highly

recommended to print in an enclosed environment or with a printer enclosure to maintain a stable temperature around the print bed and object.

4. **Bed Adhesion:** Prepare your print bed for optimal adhesion. Common methods include using an adhesive (e.g., ABS slurry, glue stick, hairspray) or a specialized print surface designed for ABS.



Image: A white spool of Amazon Basics ABS 3D printer filament, 1.75mm diameter, 1kg weight. This is the main product view.

## OPERATING (PRINTING PARAMETERS)

Optimal printing parameters can vary depending on your specific 3D printer model and environmental conditions. The following are recommended starting points:

Parameter	Recommended Range
Nozzle Temperature	235°C - 255°C
Heated Bed Temperature	90°C - 110°C
Filament Diameter	1.75 mm
Net Weight	1 kg

Always perform small test prints to fine-tune settings for your specific printer and desired print quality. Adjust settings incrementally.



Image: The back of the Amazon Basics ABS filament spool, displaying recommended printing temperatures for nozzle (235-255°C) and bed (90-110°C), along with filament diameter and net weight.

## MAINTENANCE

Proper storage of your ABS filament is crucial to maintain its quality and prevent printing issues.

- **Keep Dry:** ABS filament is hygroscopic, meaning it absorbs moisture from the air. Store unused filament in a dry, airtight container with desiccant packets.
- **Protect from UV Light:** Exposure to ultraviolet (UV) light can degrade the filament over time, affecting its strength and printability. Store filament in a dark place or in opaque containers.
- **Prevent Tangling:** Always secure the end of the filament to the spool when not in use to prevent tangles, which can lead to print failures.







Image: A close-up side view of the white ABS filament neatly wound on its spool, illustrating proper winding and filament consistency.

## TROUBLESHOOTING COMMON ISSUES

Here are solutions to common problems encountered when printing with ABS filament:

Issue	Possible Cause / Solution
<b>Warping / Poor Bed Adhesion</b>	<ul style="list-style-type: none"><li>◦ Insufficient bed temperature: Increase bed temperature within the recommended range (90-110°C).</li><li>◦ No enclosure: Print in an enclosed environment to maintain consistent temperature.</li><li>◦ Improper bed preparation: Use an adhesive (ABS slurry, glue stick) or specialized print surface.</li><li>◦ Drafts: Eliminate drafts around the printer.</li></ul>
<b>Clogging / Extrusion Issues</b>	<ul style="list-style-type: none"><li>◦ Filament absorbed moisture: Dry the filament using a filament dryer or oven at low temperature (e.g., 60-70°C for 4-6 hours).</li><li>◦ Incorrect nozzle temperature: Adjust nozzle temperature within the recommended range (235-255°C).</li><li>◦ Dust/debris on filament: Clean the filament path and nozzle.</li></ul>
<b>Layer Separation / Weak Prints</b>	<ul style="list-style-type: none"><li>◦ Too much cooling: Reduce part cooling fan speed, especially for initial layers.</li><li>◦ Low nozzle temperature: Increase nozzle temperature slightly.</li><li>◦ Printing too fast: Reduce print speed.</li></ul>

## SPECIFICATIONS

Specification	Detail
Brand	Amazon Basics
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	White
Item Weight	1.39 Kilograms (including spool)
Filament Diameter	1.75 Millimeters
Net Filament Weight	1 kg
Model Number	ABS175WH11000C

Specification	Detail
GTIN / UPC	840095870306, 840095800044
Country of Origin	Poland



Image: A diagram illustrating the dimensions of the Amazon Basics ABS filament spool, including its diameter (200mm / 7.87 inches) and width (80mm / 3.14 inches).

## WARRANTY AND SUPPORT

For warranty information or product support, please refer to the Amazon Basics official website or contact Amazon customer service directly. Keep your purchase receipt for any warranty claims.

For additional resources and product information, visit the [Amazon Basics Store](#).