

AHPLGE-10

Anycubic PLA Basic Filament 1kg - Grey

Product Overview

Anycubic PLA Basic Filament 1kg - Grey, PLA Filament for FDM 3D printers, Precise 1.75mm Diameter, Compatible with FDM 3D printers using 1.75mm Filament, Printing temperature range 190-230 Degrees C, Heated bed temperature 55-56 Degrees C, Recommended printing Speed 50-200 mm/s, Nozzle size recommended 0.2 mm or above, ACE compatibility supported



Specifications

Overview Summary:

Enhance your 3D printing projects with the Anycubic PLA Basic Filament in Grey, a dependable choice for South African enthusiasts and professionals seeking consistent results. This 1kg spool features a neat winding design that ensures smooth feeding, minimizing jams and delivering bubble-free extrusion for high-quality prints every time. Whether you are prototyping functional parts or creating decorative pieces, this versatile grey filament offers the reliability you need without compromising on performance.

Designed to work seamlessly with standard FDM 3D printers using 1.75mm filament, this PLA material is easy to print and delivers a neutral finish that suits a wide range of applications. We recommend drying the filament before use for optimal results in your specific printing environment. Secure your supply today by buying now from our online store and experience smooth, successful prints without interruption.

Performance tier:High Reliability

Uses:Prototyping, functional parts, decorative prints, hobbyist 3D printing, educational projects

Overview:

Anycubic PLA Basic Filament Overview:

The Anycubic PLA Basic Filament 1kg in Grey is a dependable everyday filament for FDM 3D printer users who want consistent, clean results without the fuss. Neatly wound on a 1kg spool, it feeds smoothly through your printer for precise extrusion and bubble-free prints, reducing the risk of jams or failed runs. The grey colour delivers a neutral, versatile finish that suits prototypes, functional parts, and decorative prints alike. Manufactured to print safely and sustainably, it is a straightforward, reliable choice for anyone looking to keep their FDM printer running at its best.

Description:

This 1kg spool of Anycubic PLA Basic Filament in Grey combines ease of use with high-quality output. Designed specifically for FDM printers using 1.75mm filament, it ensures smooth feeding and minimal clogging thanks to its precise extrusion capabilities. The vibrant grey shade (#B1B3B3) offers a professional look ideal for both functional prototyping and creative projects. Whether you are printing small components or larger models, this filament provides the stability required for successful prints every time.

The product code for this item is AHPLGE-10 . It is engineered to work seamlessly with standard FDM machines while maintaining a consistent diameter of 1.75mm. Users often find that drying the filament before use yields even better results, ensuring the material remains free from moisture which can cause bubbling or layer separation during printing.

Features:

Key Printing Specifications

To get the best performance from this grey PLA filament, consider these recommended settings and physical properties:

- Diameter: 1.75mm for standard FDM compatibility
- Nozzle Size: Recommended 0.2 mm or above to ensure smooth flow
- Printing Temperature: Optimized range of 190-230 degrees Celsius
- Heated Bed Temperature: Maintain between 55 and 56 degrees Celsius
- Recommended Printing Speed: Capable of speeds from 50 to 200 mm/s

Beyond basic printing parameters, the material boasts impressive mechanical properties. It features a melting point temperature of 166 degrees Celsius and a density of 1.24 g/cm cubed. The tensile strength measures around 48+/-5 Mpa, while the bending strength reaches 90+/-3 MPa, making it suitable for durable functional parts. Additional characteristics include a Vicat softening temperature of 55 degrees Celsius and a heat deflection temperature of 54 degrees Celsius at 0.45MPa.

The filament also excels in impact resistance with an Izod impact strength (X-Y) of 22+/-2 kJ/m squared. For users requiring specific flow rates, the maximum volume speed is rated at 12 mm cubed per second. The melt index falls between 4 and 10 g/10 min when tested at 190 degrees Celsius under a 2.16 kg load.

Drying and Storage Recommendations

To maintain the integrity of the filament, it is recommended to dry out the spool before use if it has been exposed to humidity. The ideal drying condition involves keeping the material at 45-50 degrees Celsius for a duration of 6 to 8 hours. This process helps prevent common printing defects associated with moisture absorption.

What's in the Box

ComX Computers

Product Specification Sheet

- Anycubic PLA Basic Filament 1kg - Grey x1

This package contains one spool weighing exactly 1000g. The product is compatible with ACE systems and designed to provide a reliable printing experience for hobbyists and professionals alike.

Specifications:

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Specifications

Product Code	AHPLGE-10
Colour Code	Grey (#B1B3B3)
Consumable Type	PLA Filament
Compatible With	FDM 3D Printers with 1.75mm filament compatibility
Dry Out Before Use	Recommended
Drying Condition	45-50 degreesC, 6-8 h
ACE Compatibility	Compatible
Nozzle Size	Recommended 0.2 mm or above
Printing Temperature	190-230 degreesC
Heated Bed Temperature	55-56 degreesC
Recommended Printing Speed	50-200 mm/s
Cooling Time	8 s
Maximum Volume Speed (Flow Rate)	12 mm ³ /s
Density	1.24 g/cm ³
Melt Index	4~10 g/10 min (190 degreesC/2.16 kg)
Melting Point Temperature	166 degreesC
Vicat Softening Temperature	55 degreesC
Heat Deflection Temperature (0.45MPa)	54 degreesC
Young's Modulus	2534+/-85 Mpa
Tensile Strength	48+/-5 Mpa
Elongation at Break	8+/-1%
Bending Modulus	3360+/-100 Mpa
Bending Strength	90+/-3 MPa
Izod Impact Strength (X-Y)	22+/-2 kJ/m ²
Tensile Strength (Z)	26+/-1 MPa
Product Weight	1000g

FAQ

ComX Computers

Product Specification Sheet

Is this filament compatible with my FDM 3D printer?

This Anycubic PLA Basic Filament is designed for standard FDM 3D printers that support 1.75mm filament diameter.

What are the recommended printing temperatures and speeds?

You should set your nozzle temperature between 190-230 degreesC and use a heated bed at 55-56 degreesC . The recommended printing speed is 50-200 mm/s with a maximum flow rate of 12 mm /s.

Does the filament require drying before I start printing?

Yes, it is highly recommended to dry the filament before use. The optimal condition is at 45-50 degreesC for 6-8 hours to ensure bubble-free results and reduce jamming.

Can I use a nozzle smaller than 0.2 mm with this product?

No, the manufacturer recommends using a nozzle size of 0.2 mm or above for best performance with this filament.

Is the spool designed to prevent tangles during printing?

Yes, the 1kg spool is neatly wound to ensure consistent, tangle-free feeding and precise extrusion for your print runs.

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/AHPLGE-10-Anycubic-PLA-Basic-Filament-1kg-Grey-Buy-p-341325.php>

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