

HPCWH-10

Anycubic PC Filament 1kg - White

Product Overview

Anycubic PC Filament 1kg - White, Dry out before use required, Ace compatibility, Recommended 0.2 mm or above nozzle size, 270-290 Degrees C printing temperature, 40-250 mm/s recommended printing Speed



Specifications

Overview Summary:

Anycubic PC Filament 1kg - White is an engineering-grade polycarbonate filament designed for strong, heat-resistant and reliable 3D printed parts. With excellent impact resistance, a smooth surface finish and support for demanding applications, it is suitable for makers, engineers and professionals creating functional components.

Designed for FDM 3D printers, this white PC filament delivers durable results for structural parts, automotive components, electronic housings and outdoor projects. Ensure the filament is dried before use for the best print quality, then shop now and buy Anycubic PC Filament 1kg White for your next advanced 3D printing project.

Performance tier: Professional / Engineering-grade

Uses: Structural parts, functional components, automotive parts, electronic housings, outdoor applications, engineering prototypes, artworks

Overview:

Anycubic PC Filament 1kg White for Engineering 3D Printing

The Anycubic PC Filament 1kg White is a high-performance engineering-grade polycarbonate filament designed for demanding 3D printing projects. Built for makers, designers, engineers, and professionals, it delivers exceptional strength, heat resistance, and impact durability that exceed the capabilities of standard PLA and ABS materials. Its smooth, lustrous finish also produces attractive, high-quality prints suitable for both functional and presentation models.

Description:

Designed for applications where durability matters, Anycubic PC Filament provides excellent mechanical strength while maintaining impressive heat resistance for long-lasting printed parts. It is ideal for manufacturing structural components,

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Product Specification Sheet

automotive parts, electronic enclosures, outdoor equipment, and functional prototypes. The reusable spool and intelligent identification support make printing more convenient on compatible Anycubic printers, while proper drying before use helps achieve consistent, reliable print quality. Part Number / SKU: HPCWH-101.

Features:

Ideal Applications

Whether you are creating industrial prototypes or durable end-use parts, this engineering filament performs reliably across a wide range of projects.

Recommended for:

- Structural components
- Functional mechanical parts
- Automotive applications
- Electronic housings
- Outdoor products
- Artistic and display models requiring extra strength

Performance Highlights

The polycarbonate formulation combines excellent toughness with impressive thermal performance, making it suitable for demanding environments.

Key advantages include:

- Engineering-grade PC filament for high-strength printing
- Heat deflection temperature up to 110 degrees C
- Excellent impact resistance for durable parts
- Smooth, lustrous surface finish with a translucent appearance
- Intelligent filament identification support on compatible Anycubic printers
- Reusable spool design helps reduce tangles during printing

Printing Guidelines

For the best print quality, active drying is required before use. Dry the filament at 80 degrees C for 8 to 12 hours before printing to minimise moisture-related defects.

Recommended print settings:

- Nozzle size: 0.2 mm or larger
- Printing temperature: 270 to 290 degrees C
- Heated bed temperature: 100 to 120 degrees C
- Recommended print speed: 40 to 250 mm/s
- Maximum volumetric flow rate: 12 mm³/s
- ACE compatibility: Supported

Technical Details

- Colour: White (#FFFFFF)
- Filament type: Engineering-grade Polycarbonate (PC)
- Spool weight: 1kg
- Density: 1.2 g/cm³
- Melt index: 15 to 20 g/10 min (270 degrees C / 1.2kg)
- Melting point: 230 degrees C
- Vicat softening temperature: 122 degrees C

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Product Specification Sheet

- Heat deflection temperature: 110 degrees C (0.45 MPa)

Mechanical properties:

- Young's modulus: 2550 plus or minus 100 MPa
- Tensile strength: 65 plus or minus 6 MPa
- Tensile strength (Z): 25 plus or minus 7 MPa
- Elongation at break: 9 plus or minus 4%
- Bending modulus: 2900 plus or minus 150 MPa
- Bending strength: 105 plus or minus 10 MPa
- Izod impact strength (X-Y): 30 plus or minus 12 kJ/m2

Compatibility and Convenience

The Anycubic PC Filament is compatible with FDM 3D printers capable of reaching the recommended extrusion temperatures. Intelligent identification is supported on compatible Anycubic systems, while the reusable spool with its threaded connection system helps reduce filament tangling and improves spool management during extended print jobs.

Part Number / SKU: HPCWH-101

Package Contents

- 1 x Anycubic PC Filament 1kg White

Specifications:

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Specifications

Product Code	HPCWH-10
Colour	White (#FFFFFF)
Dry Out Before Use	Required
Drying Condition	80 degreesC, 8-12 h
ACE Compatibility	Compatible
Nozzle Size	Recommended 0.2 mm or above
Printing Temperature	270-290 degreesC
Heated Bed Temperature	100-120 degreesC
Recommended Printing Speed	40-250 mm/s
Maximum Volume Speed (Flow Rate)	12 mm³/s
Density	1.2 g/cm³
Melt Index	15-20 g/10 min (270degreesC/1.2kg)
Melting Point Temperature	230 degreesC
Vicat Softening Temperature	122 degreesC
Heat Deflection Temperature (0.45MPa)	110 degreesC

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Young's Modulus	2550+/-100 MPa
Tensile Strength	65+/-6 MPa
Elongation at Break	9+/-4%
Bending Modulus	2900+/-150 MPa
Bending Strength	105+/-10 MPa
Izod Impact Strength (X-Y)	30+/-12 kJ/m ²
Tensile Strength (Z)	25+/-7 MPa
Filament Type	Engineering filaments
Recommend to Print	Structural parts, functional parts, automotive parts, outdoor use, electronic housing, artworks
Intelligent Identification	Supported
Reusable Filament Spo	

Product Information Online

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

Product page: <https://www.comx.co.za/HPCWH-10-Anycubic-PC-Filament-1kg-White-Buy-p-340872.php>

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