www.numakers.com

# NUMAKERS 3D FILAMENT PORTFOLIO

Development and manufacturing of quality filament for hobbyist and professional makers worldwide.

numakers
FUELING INNOVATION

# NUMAKERS FILAMENT FORMULATED BY EXPERTS

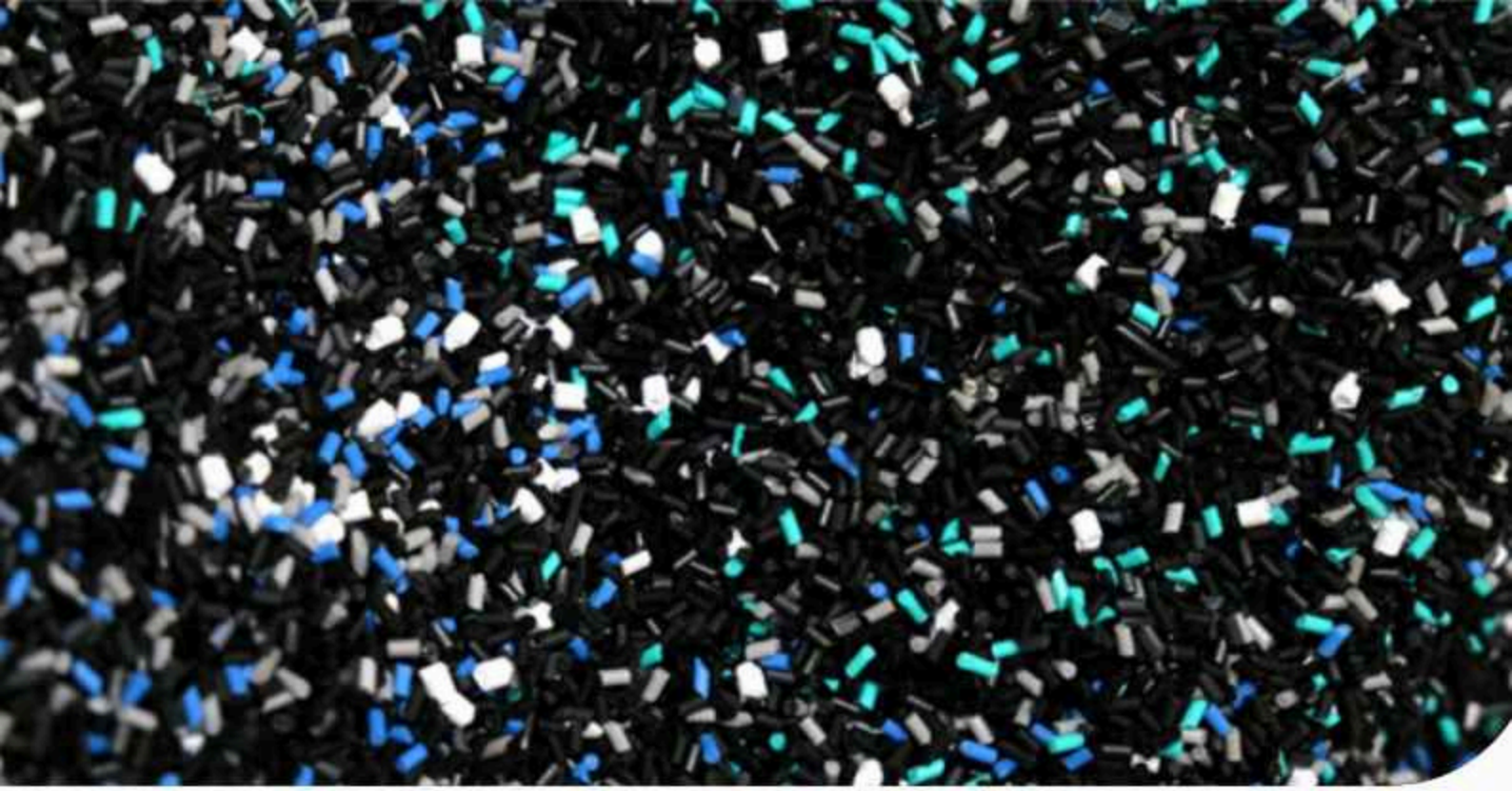
We pride ourselves - using the best raw materials, additives and by bringing circularity Into the 3D-printing Industry.

# NUMAKERS

Behind Numakers products is a dedicated team of polymer specialists who know exactly how to make great 3D printing materials.

Our mission is to help accelerate the adoption of 3D printing by providing affordable and high quality materials. All of our filaments are made from high quality, specially formulated raw materials using state-of-the-art extruders and manufacturing practices.

3D printing offers unique possibilities to change how products are made and prototyped Our long term goal is to make high-performance materials - targeting difficult end-use applications where functionality is king.



# CHANGE TO QUALITY

Specially formulated resin with high quality additives and colorants are used to make Numakers Filaments. Most of our raw materials are imported from the best manufacturers around the globe and formulated by a team of polymer specialists spread across the globe in Virginia, USA and Gujarat, India.

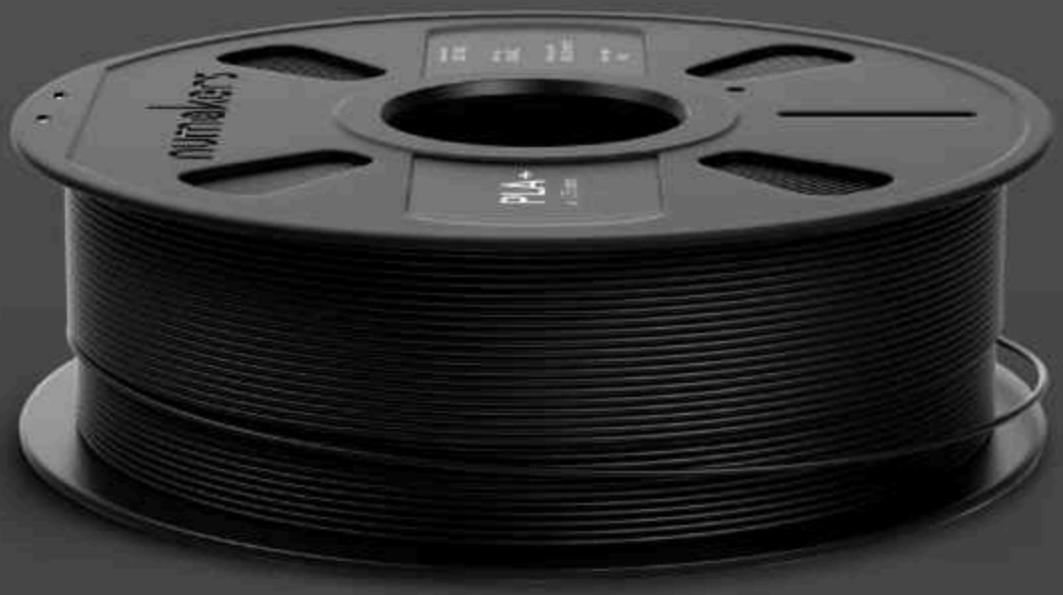
From start to finish, our filament is extruded through precision die equipment with a tight diameter and ovality tolerance. A proprietary special precision oscillating strand guide technology guarantees tidy and tangle-free winding.

# GREEN

We believe having a low carbon footprint and discovering your creativity can go hand In hand.

At Numakers, we continuously strive to find ways to lower our carbon footprint for our products. We use 100% post industrial used recycled plastic to manufacture our spools and 100% recycled paper to manufacture our boxes.

# WHY THE BLACK SPOOLS?



Our spools are made from 100% post industrial used recycled plastic which produces upto 80% less carbon pollution compared to virgin plastic.

Our boxes are made from 100% recycled paper which produces 35% less water pollution and 74% less carbon pollution compared to using virgin cardboard.

# PRODUCT LIST

## 3D PRINTING FILAMENTS

| ITEM | IMAGES | PARAMETERS | COLORS | CHARACTERISTICS | PACKAGING (MOQ 10KG/SKU) |
|---|---|---|---|---|---|
| **PLA+/PLA** (1kg and 3kg available) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.03mm<br>• **Print Temp:** 200-230℃<br>• **Bed Temp: 30 - 60 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed: <250mm/s** | **34 PLA+ Colors**<br>Apricot<br>Army Green<br>Atomic Pink<br>Bahama Yellow<br>Beige Brown<br>Chocolate Brown<br>Cool (lithopane) White<br>Dark Gray<br>Fluorescent Yellow<br>Fluorescent Green<br>Fluorescent Orange<br>Forest Green<br>Grass Green<br>Ivory White<br>Lagoon Blue<br>Lavender Violet<br>Lemon Yellow<br>Light Blue<br>Light Gray<br>Magenta<br>Mauve Purple<br>Military Khaki<br>Nuclear Red<br>Outrageous Orange<br>Pitch Black<br>Pure White<br>Ryobix Green<br>Royal Blue<br>Rust Copper<br>Teal Blue<br>Transparent<br>Simply Silver<br>Thanos Purple<br>Midnight Gray | 1. Ease of Printing: Easy to print with low warping.<br>2. Biodegradable: Made from plants and eco-friendly.<br>3. High Surface Finish: Smooth, shiny surface finish.<br>4. Low Heat Resistance: Excellent for indoor use and decorative items.<br>5. Wide Variety of options: Bright colors with high strength. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PLA MATTE** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.03mm<br>• **Print Temp:** 190-230 **°C**<br>• **Bed Temp: 0 –60 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <250 mm/s | **13 PLA Matte Colors**<br>Matte Olive Green<br>Matte Navy Blue<br>Matte Skin<br>Matte Lilac Purple<br>Matte Sakura Pink<br>Matte Ice Blue<br>Matte Black<br>Matte Quartz White<br>Matte Moon Gray<br>Matte Mint Green<br>Matte Beige<br>Matte Ruby Red<br>Matte Sunshine Yellow | 1. Matte Finish: Provides a smooth, non-glossy surface for a premium, professional appearance.<br>2. Easy to Print: Offers excellent printability with minimal warping and clogging issues.<br>3. Reduced Layer Visibility: The matte texture minimizes visible layers, improving print aesthetics.<br>4. Environmentally Friendly: Made from renewable resources and is biodegradable under specific conditions.<br>5. Low Shrinkage: Ensures dimensional accuracy and stability for consistent, high-quality prints. | **Inner Box:**<br>Dimension: 210*80*210mm G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |

| ITEM | IMAGES | PARAMETERS | COLORS | CHARACTERISTICS | PACKAGING (MOQ 10KG/SKU) |
|---|---|---|---|---|---|
| **PLA RAINBOW** (1kg/roll) | **Launching Soon** | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.03mm<br>• **Print Temp: 190-230** °C<br>• **Bed Temp: 40-60 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <300 mm/s | **Launching Soon** | **Launching Soon** | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PLA SILK** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp:** 200-230 °C<br>• **Bed Temp: 30-60°C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** 40 - 100mm/s | **8 PLA SILK Colors**<br><br>Gold<br>Silver<br>Copper<br>Bronze<br>Red<br>Purple<br>Blue<br>Forest Green | 1. Shiny Finish: Produces glossy, silk-like prints perfect for decorative items.<br>2. Easy to Use: Prints similarly to standard PLA+ with minimal warping.<br>3. Vivid Colors: Available in bright, vibrant shades for eye-catching designs.<br>4. Good for Detail: Creates smooth, detailed prints with a luxurious look.<br>5. Not Very Strong: Slightly less durable than regular PLA+, best for aesthetic models. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PLA SILK RAINBOW** (1kg/roll) | **Launching Soon** | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.02mm<br>• **Print Temp:** 240 ± 10 °C<br>• **Bed Temp: 80 – 90 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <300 mm/s | **Launching Soon** | | **Inner Box:**<br>Dimension: 210*80*210mm G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PLA CF** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp:** 210-240 °C<br>• **Bed Temp: 35-40°C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <200mm/s | **4 PLA CF Colors**<br><br>Wine Red<br>Black CF<br>Lemongrass Green<br>Denim Blue | 1. Enhanced Strength: Infused with carbon fibers, it offers higher strength and rigidity than standard PLA.<br>2. Lightweight: Carbon fibers reduce density, making it strong yet lightweight.<br>3. Matte Finish: Produces prints with a professional-looking matte surface.<br>4. Requires Hardened Nozzle: Abrasive fibers can wear out standard nozzles; a hardened nozzle is recommended.<br>5. Easy to Print: Maintains PLA's ease of printing while offering improved mechanical properties. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |

| ITEM | IMAGES | PARAMETERS | COLORS | CHARACTERISTICS | PACKAGING (MOQ 10KG/SKU) |
|---|---|---|---|---|---|
| **PLA WOOD** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp: 190-220** °C<br>• **Bed Temp: 50-60°C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <300 mm/s | **Oak Wood** | 1. Wood-Like Finish: Prints have a natural, wood-like texture and appearance.<br>2. Easy to Print: Similar to PLA, wood filaments are beginner-friendly.<br>3. Customizable Look: Can be sanded, stained, or painted for a more realistic wood effect.<br>4. Brittle Nature: More fragile than standard PLA, requiring careful handling.<br>5. Nozzle Wear: May cause more wear on nozzles due to wood particles; hardened nozzles are recommended. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PLA MARBLE** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp: 190-2**30℃<br>• **Bed Temp: 40-60 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <300mm/s | **3 PLA MARBLE Colors**<br><br>White Marble<br>Lavender Chip Marble<br>Blue Chip Marble | 1. Stone-Like Look: Gives a marble-textured finish, perfect for decor.<br>2. Easy Printing: Prints smoothly with minimal issues.<br>3. Lightweight: Looks heavy but is easy to handle.<br>4. Customizable: Can be sanded for a realistic stone effect.<br>5. Nozzle Safe: Works with standard brass nozzles. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PETG - HS** (1kg and 3kg roll available) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp: 220-250** °C<br>• **Bed Temp: 70 – 90 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed: <300mm/s** | **10 PETG- HS Colors**<br><br>Grass Green<br>Lemon Yellow<br>Light Gray<br>Mauve Purple<br>Nuclear Red<br>Outrageous Orange<br>Pitch Black<br>Pure White<br>Royal Blue<br>Transparent | 1. No stringing;<br>2. Fast printing<br>3. Exceptional performance<br>4. High printing accuracy | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **PETG CF** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.03mm<br>• **Print Temp:** 240 - 270 °C<br>• **Bed Temp: 70 – 90 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <200mm/s | **4 PETG- CF Colors**<br><br>Wine Red<br>Black CF<br>Lemongrass Green<br>Denim Blue | 1. 1) High Strength: Strong and stiff with carbon fiber toughness.<br>2. 2) Heat Resistant: Stable under high temperatures, ideal for functional parts.<br>3. 3) Low Warping: Prints reliably with minimal deformation.<br>4. 4) Accurate Prints: Ensures precision and dimensional stability.<br>5. 5) Matte Finish: Smooth, professional-looking surface. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |

| ITEM | IMAGES | PARAMETERS | COLORS | CHARACTERISTICS | PACKAGING (MOQ 10KG/SKU) |
|---|---|---|---|---|---|
| **TPU 95A** (1kg/roll) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.03mm<br>• **Print Temp:** 200 - 230 °C<br>• **Bed Temp: 30 – 60 °C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <250 mm/s | **5 TPU Colors**<br><br>Black<br>White<br>Red<br>Blue<br>Grey | 1. Flexible: Highly stretchable and ideal for bendable parts.<br>2. Impact Resistant: Absorbs shocks for tough, durable applications.<br>3. Chemical Resistant: Withstands oils, greases, and chemicals.<br>4. Abrasion Resistant: Durable against friction and wear.<br>5. Strong Adhesion: Smooth prints with zero warping. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **ABS** (1kg and 3kg available) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp:** 240-260 °C<br>• **Bed Temp: 100-110°C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <200mm/s | **8 ABS Colors**<br><br>Grass Green<br>Lemon Yellow<br>Light Gray<br>Nuclear Red<br>Outrageous Orange<br>Pitch Black<br>Pure White<br>Royal Blue | 1. Strong and Durable: ABS is tough and impact-resistant, perfect for functional parts.<br>2. Heat Resistant: Withstands higher temperatures than PLA, making it suitable for outdoor or high-heat use.<br>3. Requires Heated Bed: Needs a heated bed and enclosed space to avoid warping.<br>4. Post-Processing Friendly: Can be easily sanded, drilled, or smoothed with acetone for a polished look.<br>5. Fume Emission: Emits strong odors during printing; ensure proper ventilation. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |
| **ASA** (1kg and 3kg available) | | • **Diameter:** 1.75mm<br>• **Tolerance:** ±0.05mm<br>• **Print Temp:** 240-260<br>• **Bed Temp: 90-110°C**<br>• **Length:** 1KG = 330m<br>• **Print Speed:** <200mm/s | **8 ASA Colors**<br><br>Grass Green<br>Lemon Yellow<br>Light Gray<br>Nuclear Red<br>Outrageous Orange<br>Pitch Black<br>Pure White<br>Royal Blue | 1. UV Resistant: ASA is highly resistant to UV rays, making it ideal for outdoor use.<br>2. Weatherproof: Withstands harsh weather conditions, including rain and sunlight.<br>3. Durable and Tough: Strong and impact-resistant, suitable for functional and industrial parts.<br>4. Low Warping: Prints with less warping compared to ABS, especially with proper setup.<br>5. Smooth Surface Finish: Produces prints with a matte and smooth finish, perfect for aesthetic and functional purposes. | **Inner Box:**<br>Dimension: 210*80*210mm<br>G.W.: 1.2KG/box<br>QTY/Box: 1 roll<br><br>**Outer Carton:**<br>Dimension: 380*240*430mm<br>G.W.: 15KG/CTN<br>QTY/CTN: 10 Rolls |