



# Ultrafuse® Pellets rPETG

The Ultimate Choice for Sustainable,  
Cost-Effective Large Scale 3D Printing

Launch Package  
03-07-2024

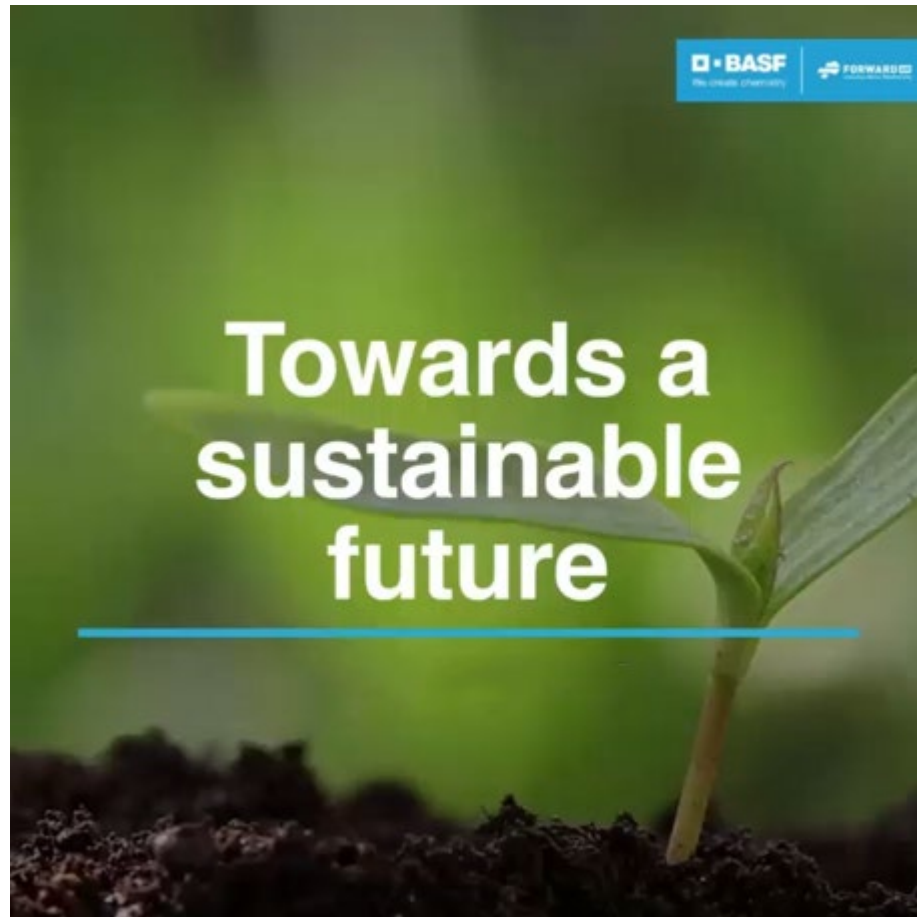


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# Product Introduction: Ultrafuse® Pellets rPETG



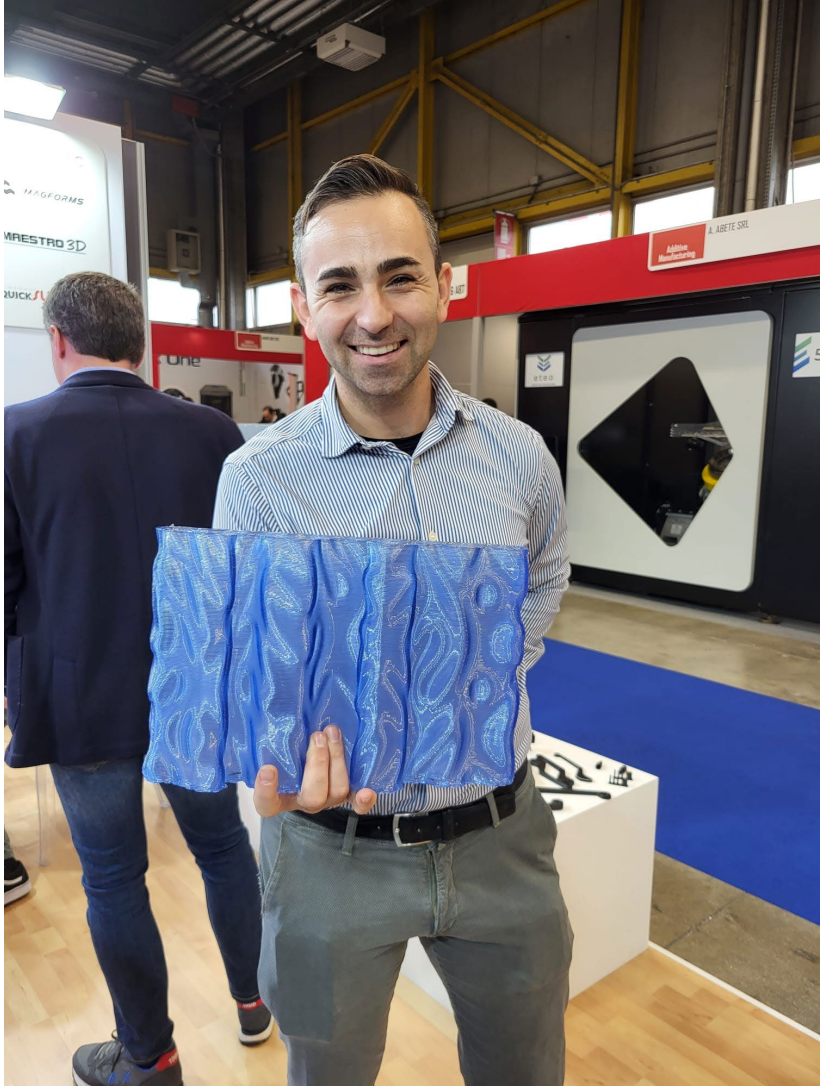
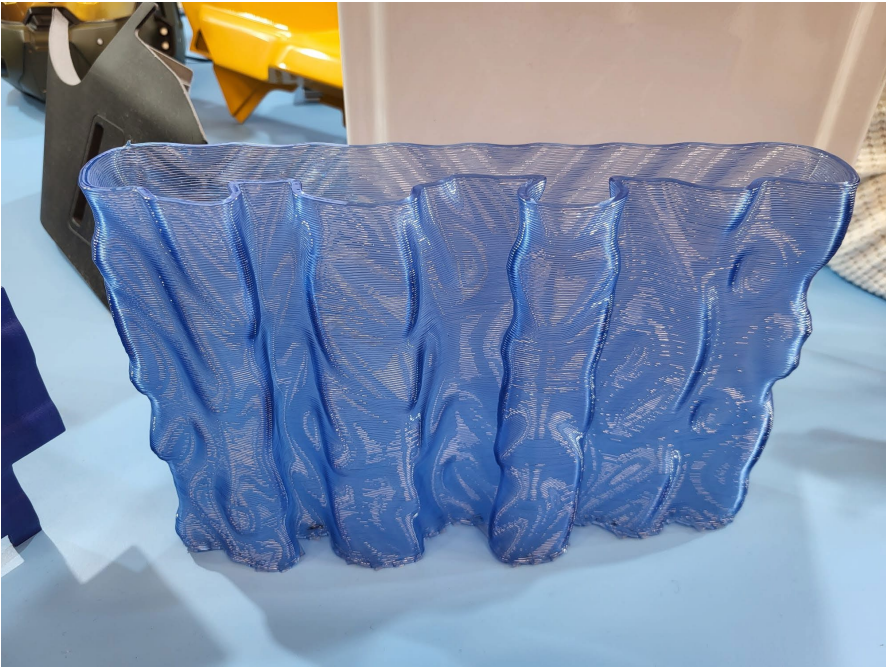


## Ultrafuse® Pellets rPETG:

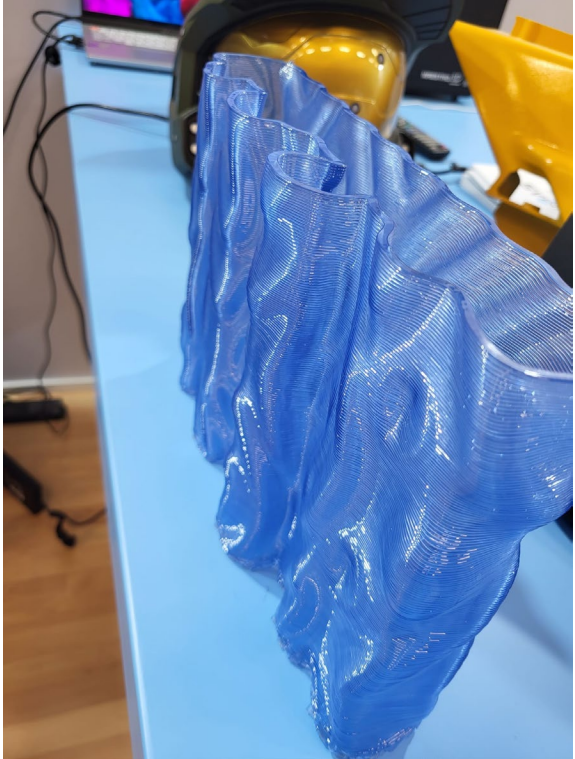
The Ultimate Choice for Sustainable, Cost-Effective Large Scale 3D Printing

# Ultrafuse® Pellets rPETG Translucent Blue

Testprint by Treddy, Printed with Caracol AM



Aesthetic / Visual

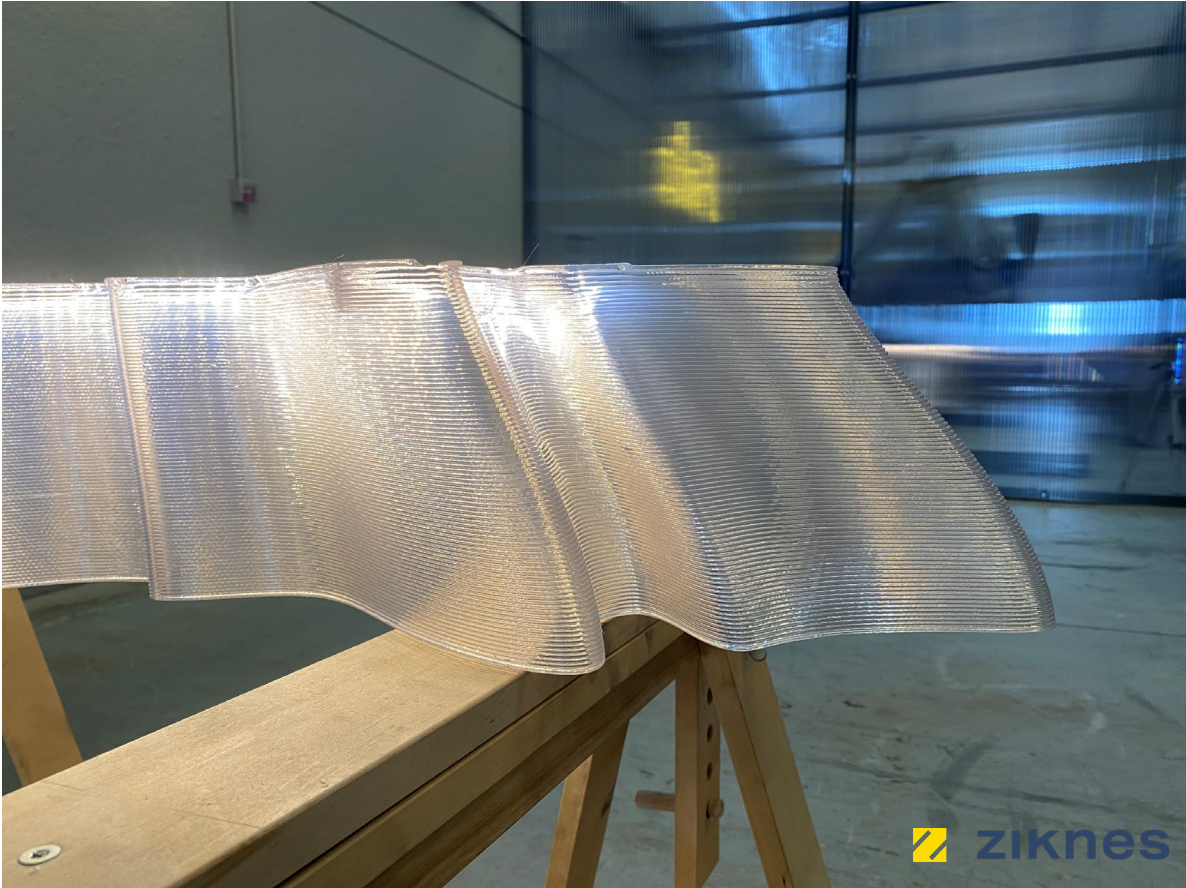


# Ultrafuse® Pellets rPETG Natural

## Chairs and Lighting Elements by Ziknes



Aesthetic / Visual

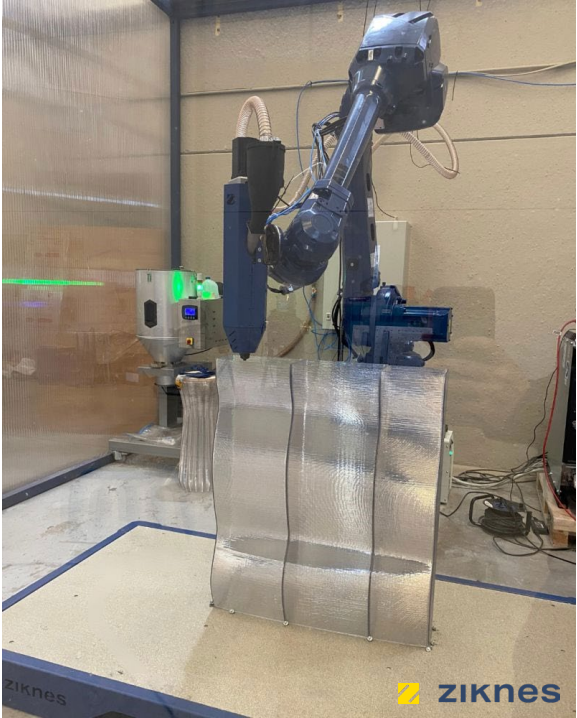
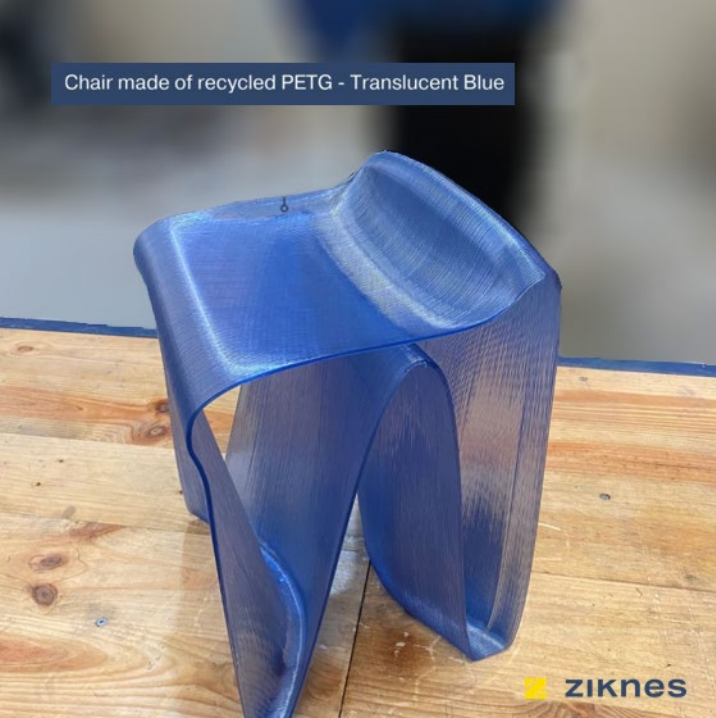


# Product overview

## Introduction

### ■ **Ultrafuse® Pellets rPETG: Easy to print pellets for Large Scale AM**

- ▶ Pellet printing machines, process and technology are evolving, and the industry needs industrial grade recycled materials with constant and reliable quality



# Ultrafuse® Pellets rPETG Natural

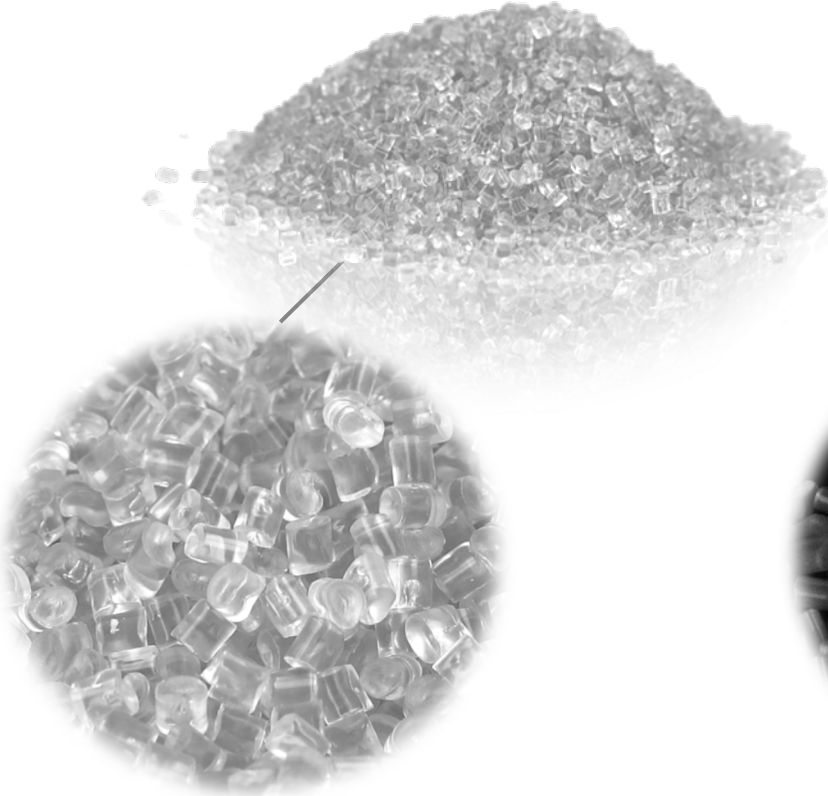
Table Stand for Ziknes



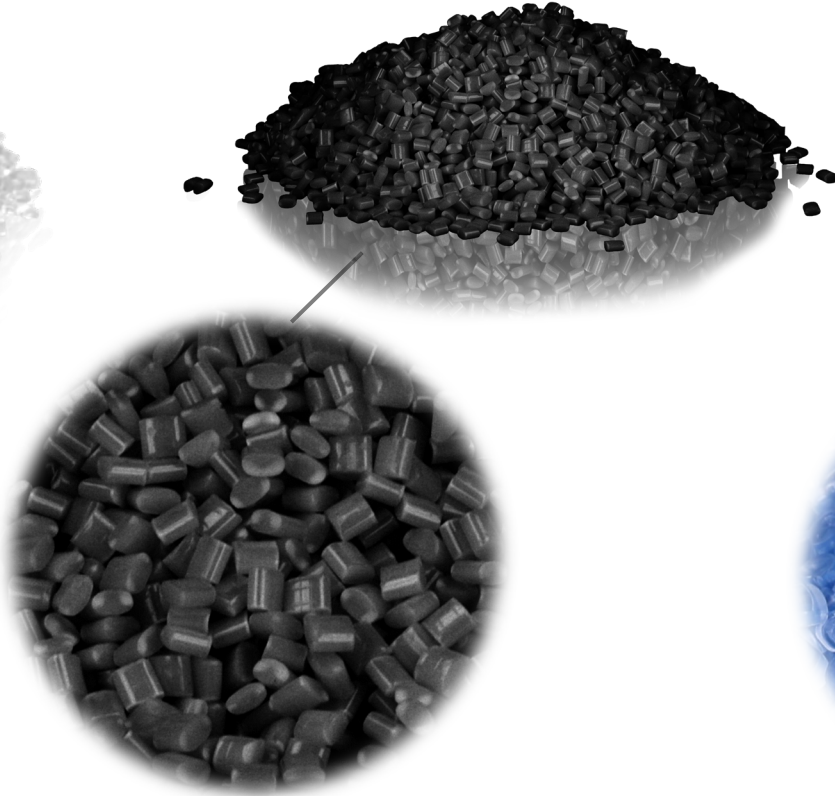


# Ultrafuse® Pellets rPETG

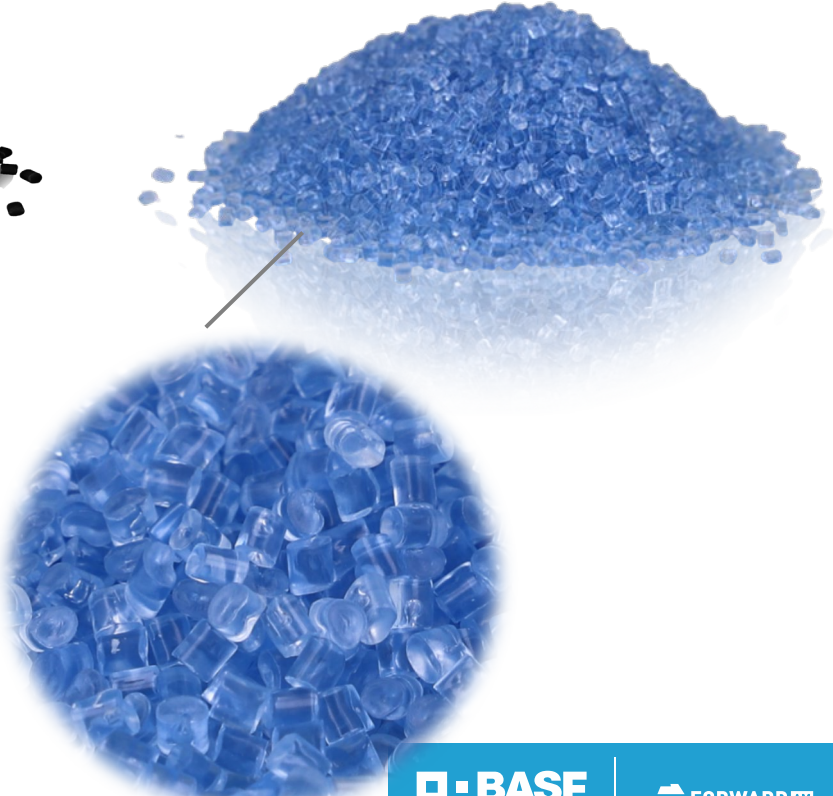
Ultrafuse® Pellets  
rPETG Natural



Ultrafuse® Pellets  
rPETG Black




Ultrafuse® Pellets  
rPETG Translucent Blue



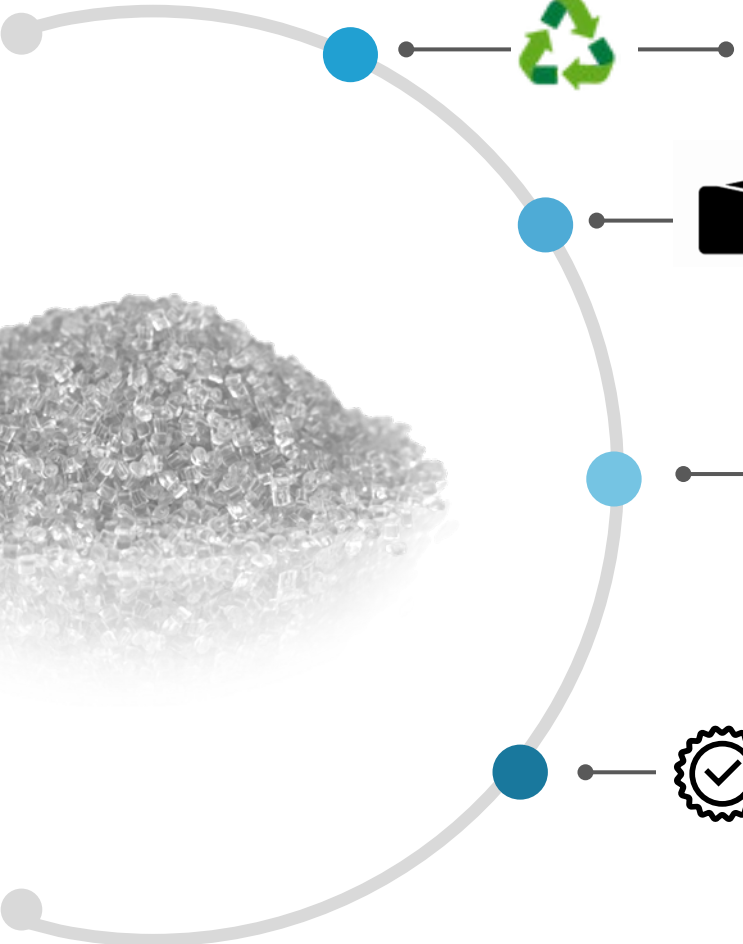
# Product overview

## Key features

- **Ultrafuse® Pellets rPETG** 
  - ▶ **Recycled:** Traceable industrial waste source
  - ▶ **Food Grade:** Suitable for food contact application
  - ▶ **Ease of printing for high detail and large-scale prints:** Low warp and glossy finish
  - ▶ **Project stability:** Excellent batch to batch stability
  - ▶ **Pre-dried:** Pellets come pre-dried ready to be processed
  - ▶ **Reliable Delivery:** Ready to ship after order, available in industrial quantities
  - ▶ **Optical appearance:** High gloss, low haze and high transparency (Pellets rPETG natural)

# Ultrafuse® Pellets rPETG

## Messaging: Claims



### Sustainability, Performance and Cost Efficiency

Compared to FFF printing, pellet-based 3D printing with Ultrafuse® Pellets rPETG offers reduced material costs, high throughput, and the ability to print large objects quickly, ensuring sustainability, unmatched performance, and cost efficiency for large-scale 3D printing.



### Optical Excellence and Stability

Achieve superior optical appearance with Ultrafuse® Pellets rPETG for lasting high gloss, low warp, low haze results.



Post processable

### User-Friendly and Reliable

Ultrafuse® Pellets rPETG: Delivered pre-dried and ready to process for immediate, reliable use with consistent batch-to-batch quality.



### Traceable and Food Safe

Choose Ultrafuse® Pellets rPETG for traceable, recycled materials that meet food contact safety standards.

# Product overview

## Product configuration offer

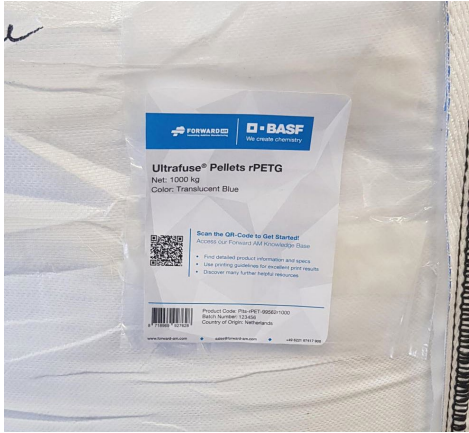
- **Standard pellets**

- **Ultrafuse® Pellets rPETG**

- ▶ Weights: 1000 kg
- ▶ Diameter: ~mm
- ▶ Length: ~3mm
- ▶ Pellet size: Cold cut, cylinder-like pellets
- ▶ Colors: Natural (transparent colorless), Translucent Blue, Black
- ▶ Material comes sealed in a big bag (with inliner) with moisture content <500ppm ready to print

BI number	ART no. Cobalt	ART no. SAP B1	BI name/mat. description	Portfolio	Category
1078240	50853393	Plts-rPET-99563r1000	Ultrafuse Pellets rPETG Natural – 1000kg	AES	Pellets
1150460	50853395	Plts-rPET-99562r1000	Ultrafuse Pellets rPETG Translucent Blue – 1000kg	AES	Pellets
1150461	50853396	Plts-rPET-99564r1000	Ultrafuse Pellets rPETG Black – 1000kg	AES	Pellets

# Ultrafuse® Pellets rPETG Packaging



# Ultrafuse® Pellets rPETG

## QR-Code

Easy to use feature too access up-to-date product information seamlessly:

- Technical data sheet
- Processing Parameters
- Links to material landing page, print profiles, ...
- Product sustainability statement
- Survey, to collect end-user feedback



Scan the product [QR code](#)



Access our **Technical Data Sheet** for 3D printer settings and material properties.

[Technical Data Sheet](#)

Access your **product quality assurance report** through our Certificate of Analysis (CoA) database and enter the unique five-digit batch number, which is located on the spool label.

[CoA Database](#)

Access our **material landing page** for: Print Profiles, Product Leaflet, Technical Data Sheet, Safety Data Sheet, Use Cases and more (Specific content available in multiple languages).

[Material Landing Page](#)

Your feedback matters, take our **2 minute survey** now and help us to drive innovation and advance our next product.

[Give your Feedback!](#)

# Ultrafuse® Pellets rPETG Natural

**FORWARD AM**  
Innovating Additive Manufacturing

**BASF**  
We create chemistry

## Ultrafuse® Pellets rPETG

Net: 1000 kg  
Color: Natural

**Scan the QR-Code to Get Started!**  
Access our Forward AM Knowledge Base

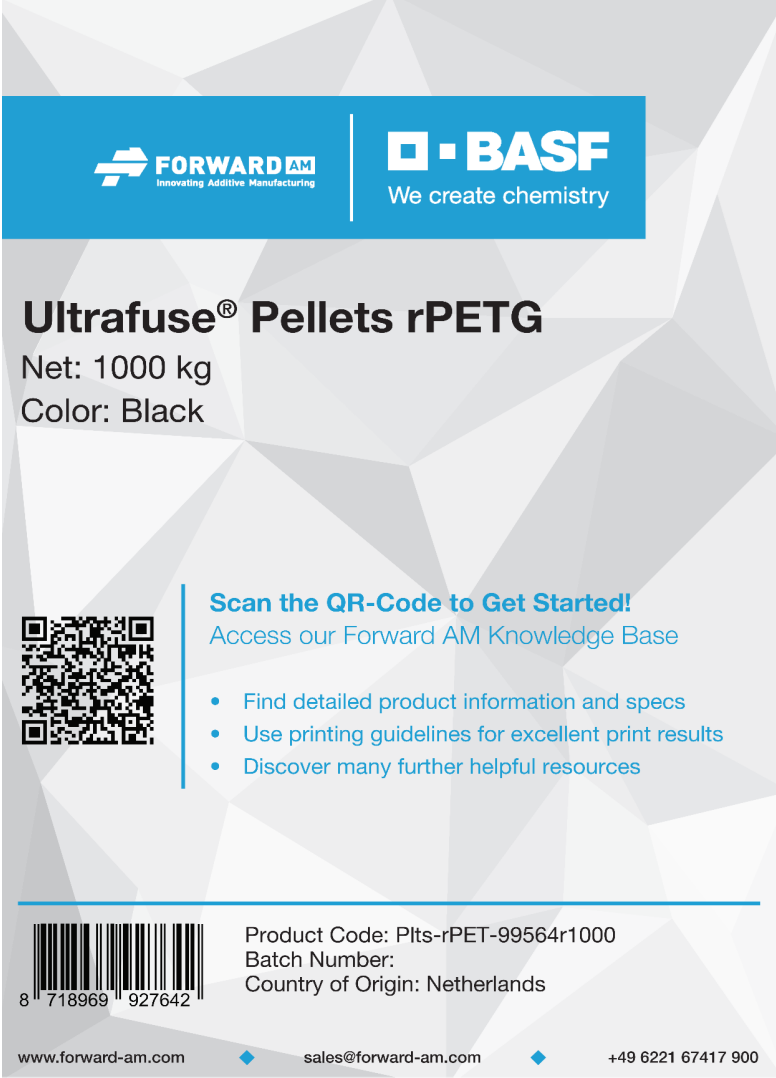
- Find detailed product information and specs
- Use printing guidelines for excellent print results
- Discover many further helpful resources

Product Code: Plts-rPET-99563r1000  
Batch Number:  
Country of Origin: Netherlands

www.forward-am.com    sales@forward-am.com    +49 6221 67417 900



# Ultrafuse® Pellets rPETG Black




**FORWARD AM**  
Innovating Additive Manufacturing

**BASF**  
We create chemistry

### Ultrafuse® Pellets rPETG

Net: 1000 kg  
Color: Black



**Scan the QR-Code to Get Started!**  
Access our Forward AM Knowledge Base

- Find detailed product information and specs
- Use printing guidelines for excellent print results
- Discover many further helpful resources

Product Code: Plts-rPET-99564r1000  
Batch Number:  
Country of Origin: Netherlands

8 718969 927642

www.forward-am.com | sales@forward-am.com | +49 6221 67417 900






# Ultrafuse® Pellets rPETG Translucent Blue

 **FORWARD AM**  
Innovating Additive Manufacturing

 **BASF**  
We create chemistry

**Ultrafuse® Pellets rPETG**  
Net: 1000 kg  
Color: Translucent Blue



**Scan the QR-Code to Get Started!**  
Access our Forward AM Knowledge Base

- Find detailed product information and specs
- Use printing guidelines for excellent print results
- Discover many further helpful resources

  
8 718969 927628

Product Code: Plts-rPET-99562r1000  
Batch Number:  
Country of Origin: Netherlands

www.forward-am.com    sales@forward-am.com    +49 6221 67417 900



# Ultrafuse® Pellets rPETG

## Processing parameters

### Drying Recommendations

Temperature	Min. 55 °C; Max. 65 °C (prevent sticking)
Time	6 - 13 h
Condition	200 - 500 ppm

Drying conditions are depending on hardware setup. Dehumidifying dryer with agitator can use higher temperatures for short time (65°C for 4h)

### Recommended Extrusion Parameters


Zone 1 Temperature	195 - 200 °C
Zone 2 Temperature	200 - 235 °C
Zone 3 Temperature	195 - 235 °C
Nozzle Temperature	195 - 235 °C
Extrudate Temperature	200 - 245 °C

# Positioning, Target Audience

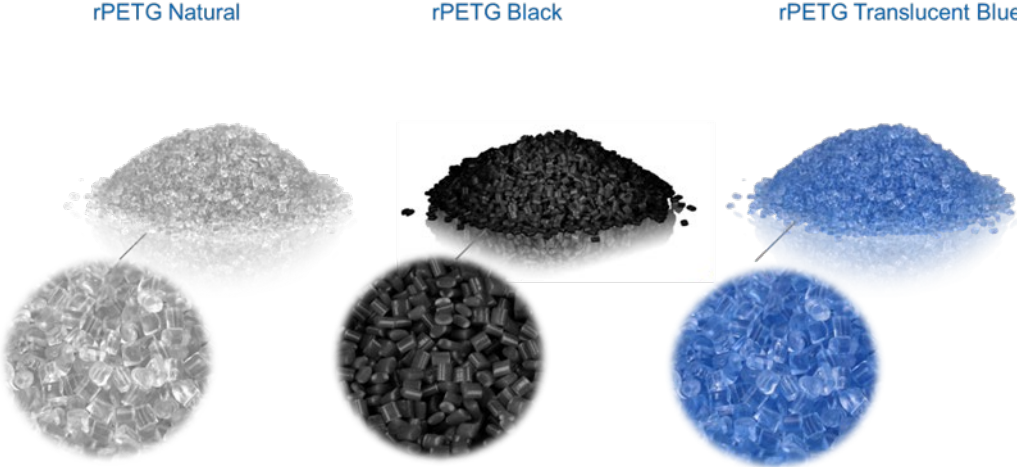


# Ultrafuse® Pellets rPETG

## Positioning

■ Ultrafuse® Pellets rPETG sets the standard for sustainable, cost-effective, and time-saving Large Scale 3D printing as the easy-to-print material with high surface quality and transparency from a traceable recycled source. 

- ▶ Ultrafuse® Pellets rPETG is positioned as the sustainable, high-performance choice for large-scale additive manufacturing (LSAM), perfect for beginners and seasoned professionals of LSAM alike.
- ▶ Pre-dried and ready to use, this user-friendly material offers superior optical quality with batch-to-batch consistency, low warpage and is made from traceable, food-safe recycled materials.



# Ultrafuse® Pellets rPETG

## Target audience

- **LSAM Beginners:** Users looking for an easy to print material with excellent part appearance.
- **LSAM Professionals:**
  - ▶ Designers and architects requiring final parts for artistic installations with superior surface finish, transparency and color fidelity from detailed to large scale printed parts.
- **Customer Pains Addressed:**
  - ▶ Meets the need for recycled materials required by sustainable project owners
  - ▶ Easy to print with low warping and excellent optical appearance

- **Target Applications:**
  - ▶ **Art installations**
  - ▶ **Interior/exterior components**
  - ▶ **Optical and aesthetically demanding projects**
  - ▶ **Lighting, screens**
  - ▶ **Architectural components**
  - ▶ **Furniture**
- **Use-Cases:**
  - ▶ Front desk at the Ziknes booth at a fair including chairs

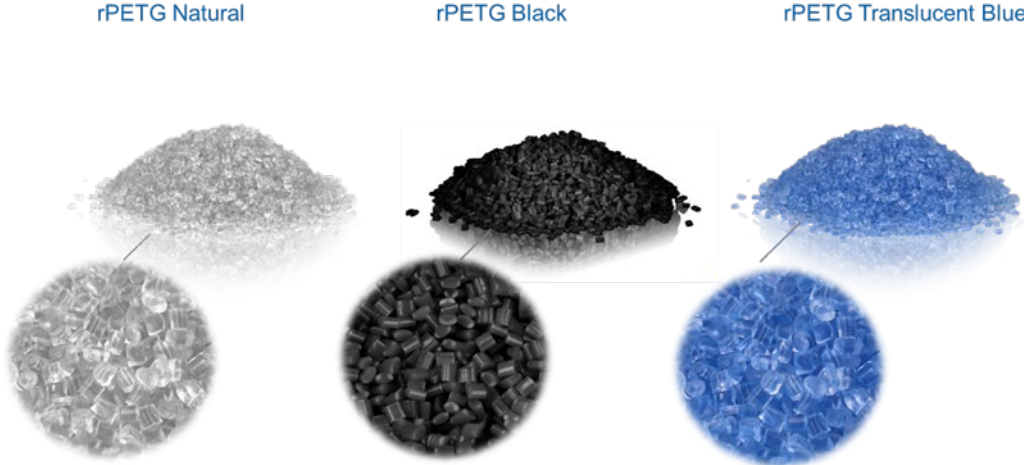
# Messaging & Content



# Ultrafuse® Pellets rPETG

## Messaging: Tagline and Introduction

- **Ultrafuse® Pellets rPETG: The Ultimate Choice for Sustainable, Cost-Effective 3D Printing**
  - ▶ Discover Ultrafuse® Pellets rPETG, the premier material for sustainable, cost-effective, and time-saving production of large components. Engineered for user-friendliness, this material is perfect for both beginners and seasoned 3D pellet printing enthusiasts, excellent surface quality, transparency, and mechanical properties, making it the first choice for large-scale additive manufacturing (LSAM) and sustainable 3D printing projects.



# Ultrafuse® Pellets rPETG

## Messaging: Detailed Description

### ■ Ultrafuse® Pellets rPETG: The Ultimate Choice for Sustainable, Cost-Effective 3D Printing

- ▶ Made from recycled and glycol-modified polyethylene terephthalate (PET) derived from traceable post-industrial waste, Ultrafuse® Pellets rPETG ensures food contact safety through a unique recycling process.
- ▶ Available in its natural colorless form with high transparency, in translucent blue and solid black, Ultrafuse® Pellets rPETG delivers a high-gloss finish ideal for applications demanding superior optical appearance and surface quality.
- ▶ With low to no warping or distortion, Ultrafuse® Pellets rPETG combines excellent surface quality, transparency, and mechanical properties, making it the first choice for large-scale additive manufacturing (LSAM) and sustainable 3D printing projects.



# Ultrafuse® Pellets rPETG

## Content

### ■ Partner Resource Center Content

#### ▶ Material and document overview:

- Launch Package
- Material Onepager
- Product Images
- Application Images
- TDS: EN
- MSDS: Ultrafuse® Pellets rPETG Natural EN, DE; Ultrafuse® Pellets rPETG Translucent Blue, EN, DE; Ultrafuse® Pellets rPETG Black EN, DE;
- Statements: Recycled Content Declaration ISO 14021 EN

### ■ Website (Available Mid of July):

- ▶ Product Line Page
- ▶ Product Page
- ▶ Educational Material: “Blog-Article: Large Scale Printing with Pellets in Additive Manufacturing”

# Disclaimer

- All information contained in this document is given in good faith and is based on sources believed to be reliable and accurate at the date of publication of this document. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. This content is exclusively for our customers and respective competent authorities. It is not intended for publication either in printed or electronic form (e.g. via Internet) by others. Thus, neither partial nor full publication is allowed without written permission.
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- The displayed MSRP pricing displayed is for reference only and may vary depending on the region and currency. The MSRP pricing is subject to change without prior notice. The latest and most accurate pricing for the Ultrafuse Pellets rPETG and other products are available on request by contacting [sales@forward-am.com](mailto:sales@forward-am.com)

# Ultrafuse® Pellets

## Contact Details

At Forward AM we strive to provide you with the best service possible.

If you have **questions about our materials, technologies or services**, or would like to **request an expert consultation**, we will be delighted to hear from you!

**Any questions left?  
Let's talk!**



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 **BASF**

We create chemistry



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