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Ultrafuse® Pellet Line

Engineering-Grade Materials in Pellet Form for Large Scale 3D Printing

Product Line Overview

29-07-2024

OVERVIEW

Extending the excellence of our premium filaments, Ultrafuse® Pellets provide engineering-grade Fused Granulate Fabrication (FGF) materials for cost-effective, large-scale 3D printing.

Leverage Large Scale 3D Printing

Designed for cost-effective and scalable 3D printing, our innovative pellet materials empower you to create high-quality, large-scale parts with unparalleled precision and durability.

Wide range of applications

Whether your focus is on sustainability, enhanced strength, or superior temperature resistance, Ultrafuse® Pellets provide the perfect solution for diverse industrial applications:

- **Ultrafuse® Pellets rPETG:** Made from recycled PETG, these sustainable pellets offer high surface quality and transparency, ideal for large-scale prototypes and decorative parts.
- **Ultrafuse® Pellets PP GF30:** Reinforced with 30% glass fiber, these pellets provide high stiffness and chemical resistance, perfect for functional prototypes, automotive components, and industrial tools.
- **Ultrafuse® Pellets PC GF30:** With 30% glass fiber reinforcement, these polycarbonate pellets deliver unmatched temperature stability and flame retardancy, suitable for high-temperature applications in automotive, railway, and aerospace sectors.

QUICK FACTS

Offer:

- Pellets / Micro Pellets for Fused Granulate Fabrication (FGF)
- Available in both in Industrial & Consumer Quantities

Materials:

- Recycled, glycol-modified PET
- PC, Glass Fiber Reinforced
- PP, Glass Fiber Reinforced



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MATERIAL DETAILS

Our Ultrafuse® Pellet Line features three standout materials, each engineered to meet specific performance criteria while ensuring ease of printing and exceptional results.

<p>Ultrafuse® Pellets rPETG</p>	<p>Ultrafuse® PC GF30</p>	<p>Ultrafuse® Pellets PP GF30</p>
<p>Standard Pellet Line</p>	<p>Reinforced Pellet Line</p>	<p>Reinforced Pellet Line</p>
<p>Recycled, glycol-modified PET pellets for sustainable, cost-effective, and time-saving large scale 3D printing with excellent surface quality, and high transparency.</p>	<p>Advanced polycarbonate (PC) micro pellets reinforced with 30% glass fiber, providing extreme stiffness, temperature stability, and flame retardancy.</p>	<p>High-performance polypropylene (PP) micro pellets, reinforced with 30% glass fiber, ensuring high stiffness, high heat resistance, and enhanced UV stabilization.</p>
<p>Key Benefits:</p> <ul style="list-style-type: none"> ▪ Recycled, traceable industrial waste source ▪ Superior Optical Appearance ▪ Easy to print ▪ Great low warping end results 	<p>Key Benefits:</p> <ul style="list-style-type: none"> ▪ Fulfills flame retardancy according to UL 94 V-0 ▪ High Stiffness, Glass Fiber Reinforced ▪ Temperature Stability ▪ UV Resistance 	<p>Key Benefits:</p> <ul style="list-style-type: none"> ▪ Excellent chemical resistance ▪ Low density & moisture uptake ▪ High heat resistance ▪ Excellent for demanding applications
<p>Example Applications</p> <ul style="list-style-type: none"> ▪ Decorative Parts ▪ Automotive Parts ▪ Prototyping ▪ Architectural Parts 	<p>Example Applications</p> <ul style="list-style-type: none"> ▪ Spare parts in railway and automotive sectors ▪ High-temperature tooling ▪ Industrial installations ▪ Environments requiring high temperature and moisture stability 	<p>Example Applications</p> <ul style="list-style-type: none"> ▪ Automotive / transportation ▪ Functional prototyping ▪ Tooling, jigs and fixtures