

# ПОТОТЫРЕБ Flourish Forever Technology Co., Ltd.

## Materials for Plastic 3D Printing

#### SLA (Stereolithography) Materials

- Clear PC (Polycarbonate): High clarity and impact strength, ideal for lenses, light covers, and prototypes.
- ABS (Acrylonitrile Butadiene Styrene): Durable and strong, used for functional parts and prototypes.
- Standard Resin: Excellent detail and smooth finishes for prototypes and concept models.
- Tough Resin: Durable for functional parts and assemblies.
- Flexible Resin: Ideal for parts needing flexibility, such as seals and gaskets.
- Castable Resin: For investment casting, suitable for jewelry and dental applications.
- High-Temperature Resin: Used for high-heat parts, ideal for aerospace or automotive.
- Biocompatible Resin: Certified for medical applications, used for implants and medical devices.

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#### **SLS (Selective Laser Sintering) Materials**

- PA (Polyamide): Strong, durable, and versatile, perfect for functional prototypes and end-use parts.
- PA+GF (Glass-Filled Nylon): Higher strength and stiffness, used for gears, brackets, and tools.

### SLM (Selective Laser Melting) Materials

- Stainless Steel: High strength and corrosion resistance, ideal for aerospace and automotive components.
- Titanium: Lightweight and strong, perfect for aerospace and medical applications.
- Aluminum: Lightweight, used for parts requiring strength and heat resistance.
- Nickel Alloys: Used in high-temperature and harsh environments, ideal for turbine blades and aerospace parts.

#### Other 3D Printing Materials

- PLA (Polylactic Acid): Biodegradable, ideal for prototyping and educational purposes.
- TPU (Thermoplastic Polyurethane): Flexible and durable, used for parts that need to bend and stretch.
- Metal Filament: Mixture of metal powders and plastic, used for creating metal-like prototypes.