



JIANYU

3D Printing Filaments

Hangzhou Polyful Advanced Material Co., Ltd.

Address: Building 2#, Jinpeng Road 358, Hangzhou, Zhejiang, P.R.C

E-mail: sales@polyful.cn

Website: www.polyful.cn

<https://polyful.en.alibaba.com/>



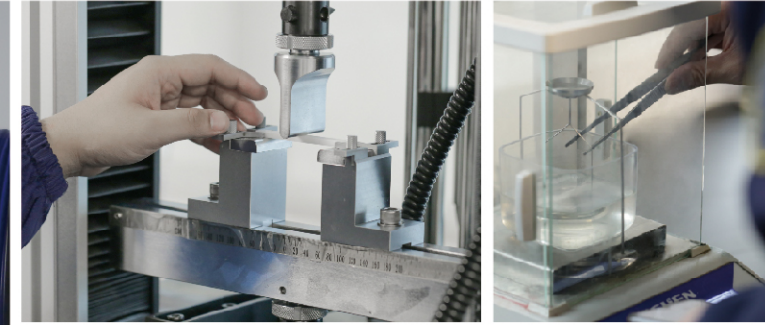
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Hangzhou Polyful Advanced Material Co., Ltd.

COMPANY INTRODUCTION

Hangzhou Polyful Advanced Material Co., Ltd. is a high-tech enterprise specializing in R&D, production, and sales of high-end polymer products.

Polyful was founded in 2018, with technology innovation as the core. The company focuses on R&D investment and team building, possessing domestically advanced polymer pilot test equipment and detection devices. Guided by market demand and targeting high-end polymer materials, the company collaborates intensely with the State Key Laboratory of Chemical Engineering (Zhejiang University), introducing laboratory achievements from well-known universities and research institutions, and fully utilizing the company's characteristic pilot test platform to develop a series of core technologies for preparing high-end polymer materials that integrate process, control, and specialized equipment, and organize industrialized production.



Currently, the company has successfully developed and mass-produced products for sale, including compostable plastics, thermoplastic silicone elastomers, modified engineering plastics, polyolefin-modified materials, specialty nylons, ultra-low dielectric PPO for 5G applications, 3D printing pellets and filaments, etc. Product quality has reached a nationwide leading level, and is widely used in fields such as automobile, energy, construction, home appliances, electronic appliances, etc.

3D PRINTING BRAND INTRODUCTION

【英语 JIANYU】 is the exclusive brand of POLYFUL in the 3D printing materials area, JIANYU has the full knowledge and experience inheriting POLYFUL's polymer technology; it has more efficient and flexible advantages in R&D to provide customers with high-performance and modified 3D printing polymer solutions.

Technology-driven, advanced polymer research, production and sales company.

Committed to leading in the area of advanced polymer technologies.

Keep developing safe, pro-environment, sustainable solutions in the area of advanced polymer technologies.

Achieve the goals of low-carbon environmental protection, and promote the sustainable development of society.

CACTUS SERIES / Heat-resistant

3D Printing Filaments



- Channel Letters
- Model Making
- Automotive Industry
- Household Appliances
- Electronics and Electrical

【英语JIANYU】 is the exclusive brand of POLYFUL in the 3D printing materials area, JIANYU provides customers with high-performance and modified 3D printing filaments.

Cactus is a product line of JIANYU, which provides a "Heat-resistant" solution for 3D printing filaments. With the characteristics of high heat deformation temperature, low warpage, and low shrinkage, it is an ideal choice for models, household appliances, and electrical enclosures.

COCOON PLA-Cactus DP024202

COCOON PLA-Cactus is a high-temperature resistant PLA consumable that supports printing without a heated build plate, and is suitable for making channel letters.

Testing Items	Testing Conditions	Testing Methods	Units	Typical Values
Physical Properties				
Density	23°C	GB/T 1033	g/cm ³	1.24
Melt Flow Rate	190°C, 2.16kg	GB/T 3682	g/10min	6
Printed Specimen Performance				
Tensile Strength(X-Y)	50mm/min	GB/T 1040.2	MPa	42
Tensile Strength(Z)	50mm/min	GB/T 1040.2	MPa	25
Flexural Strength	2mm/min	GB/T 9341	MPa	81
Impact Strength, Notched	2.75J	GB/T 1843	kJ/m ²	5



Customized Exclusive Solutions

3D Printing Filaments



Compatible with FDM Printers

"JIANYU" 3D printing filaments have excellent physical and mechanical performance and can be easily processed into shape. They are compatible with current mainstream FDM 3D printers and can be used with the equipment's built-in build plate or the specialized build plate from JIANYU. There are no special requirements, and it has wide applicability.

Colors

A wide variety of colors, special colors, and surface effects are available for customization.



Packaging Styles



TEL +86 189 5716 8005



WhatsApp contact