

ePLA-Matte 3D Filament multicomp^{PRO}

RoHS
Compliant



MP008928



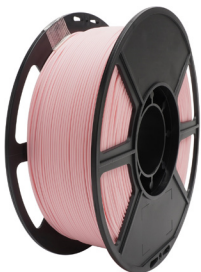
MP008929



MP008930



MP008931



MP008932



MP008933



MP008934



MP008935



MP008936

Description

ePLA-Matte is a cost-effective PLA material that is environmentally friendly and easy to print. Compared with ABS, ePLA-Matte has higher rigidity and PC-like strength and does not require a closed cavity, with low shrinkage, no warping and no cracking quality, and suitable for large-size model printing; The support is easy to peel from the surface with a smooth and flat contact surface; There will be no irritating odor during printing, which is safe and environmentally friendly; And the reel is made by reusing injection molding of PETG, ABS, PLA production waste and other industrial waste, and the outer box is made of recyclable paper. Make 3D printing more sustainable with the environmental protection concept; The matte surface is delicate and does not show layer lines; the filament is not easy to break which made the printing is smooth for a long time without clogging. It can be used for early concept models and rapid prototyping. Low density, ePLA-Matte single-roll consumables are 21% more than other matte PLA product print models.

Features:

- Environmental friendly
- Cost-effective
- High-speed printing
- Easy to peel off the support
- Excellent printability
- Hard to break
- Matte surface effect
- Low density

Application

Decorative parts, COSPLAY

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Specification table

| 3D Printing Filament | ePLA-Matte |
|--|---|
| Density(g/cm ³) | 1.174 |
| Heat Distortion Temp(°C,0.45MPa) | 51 5/10 |
| Melt Flow Index(g/10min) | 2.1 (190°C/2.16kg) |
| Tensile Strength(MPa) | 34.56 3/10 |
| Elongation at Break(%) | 56.1 5/10 |
| Flexural Strength(MPa) | 41.21 4/10 |
| Flexural Modulus(MPa) | 1119.41 2/10 |
| IZOD Impact Strength(kJ/m ²) | 33.15 7/10 |
| Durability | 4/10 |
| Printability | 9/10 |
| Extruder Temperature(°C) | 190°C to 230°C Recommended temperature 215°C |
| Bed temperature(°C) | 45°C to 60°C |
| Fan Speed | 100% |
| Printing Speed | 40 to 100mm/s |
| Heated Bed | Optional |
| Recommended Build Surfaces | PVP, PEI |

Note: ePLA-Matte lines are softer than other lines, so the extruder's tightness adjustment is better not to be too tight, in case to affect printing

Part Number Table

| Description | Colour | Part Number |
|--|---------------|-------------|
| ePLA-Matte 3D Filament, 1.75mm, 1Kg/roll | Milky White | MP008928 |
| | Dark Grey | MP008929 |
| | Light Blue | MP008930 |
| | Almond Yellow | MP008931 |
| | Peach Pink | MP008932 |
| | Mint Green | MP008933 |
| | Light Khaki | MP008934 |
| | Deep Black | MP008935 |
| | Rainbow | MP008936 |

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