



eSUN Filament 3D PLA+ Purple 1.75mm 1kg

PLA+ is an environment-friendly material, which is easy to print and has smooth surface. PLA+ filament has good strength, rigidity, toughness balance, strong impact resistance; So PLA+ is considered suitable for functional parts printing. eSUN PLA+ is approved by FDA, safer to use; **PLA pro** can be used for modeling, rapid prototyping.

[Read More](#)

SKU: 3DW22289A1GCA

Price: 219.00 DH

Stock: outofstock

Categories: [PLA+](#), [Filaments 3D](#), [Filament PLA](#)

Tags: [3d print](#), [esun](#), [fdm](#), [Filament](#), [filaments](#), [pla](#)

Product Description

Filament Properties Table

| | |
|---|----------------|
| 3D PRINTING FILAMENT | PLA+ |
| Density(g/cm³) | 1.23 |
| Heat Distortion Temp(°C,0.45MPa) | 53 |
| Melt Flow Index(g/10min) | 5 190°C/2.16kg |
| Tensile Strength(MPa) | 63 |
| Elongation at Break(%) | 20 |
| Flexural Strength(MPa) | 74 |
| Flexural Modulus(MPa) | 1973 |
| IZOD Impact Strength(kj/) | 9 2/10 |
| Durability | 4/10 |
| Printability | 9/10 |



PLA+ Print Filaments

High toughness upgrade cost effective



Passed FDA certification

Safer to use



微谱技术
WEIPU JISHU

Test Report

Report No.: WP-20076384-JC-44En

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Test Part Description:

| <u>No.</u> | <u>Sample Name</u> | <u>Sample ID</u> | <u>Sample Description</u> |
|------------|--------------------|------------------|---------------------------|
| 001 | PLA+ | 200712199-1 | Green plastic |

Test Items and Methods:

| <u>Test Items</u> | <u>Test methods</u> |
|--------------------------------|---|
| Chloroform-soluble extractives | US FDA 21CFR 177.1975: Polyvinyl Chloride |

Test Results:

| <u>Test Condition</u> | <u>Reporting Limit</u> (mg/inch ²) | <u>Client's Limit</u> (mg/inch ²) | <u>Result</u> (mg/inch ²) | <u>Concl</u> |
|-----------------------------|---|--|--|--------------|
| 8% Ethanol(v/v),120°F ,24h | 0.3 | 18 | N.D. | |
| Distilled water, 120°F ,24h | 0.3 | 18 | N.D. | PA |
| n-Heptane,70°F ,30min | 0.3 | 18 | N.D. | |

Remarks:

- (1)mg/inch²=milligram persquare inch.
 (2)N.D.=Not Detected(Less than Reporting Limit).
 (3)°F =Degrees Fahrenheit.

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