

eSUN PLA-LW lightweight filament White 1.75 mm, 1 kg spool

Code: MIC18086IT · MPN: PLA-LW175W1P1 · EAN: 6922572201606 · Brand: eSun



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€ 50.00

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eSUN PLA-LW 1.75 mm filament in White: a lightweight active-foaming PLA with a density of 0.54 g/cm³ and a matte surface, designed for model aircraft.

eSUN PLA-LW White 1.75 mm filament is a lightweight PLA developed for building model aircraft. Active foaming technology makes the material expand as it prints. Parts come out low in density, with almost invisible layers and an even matte surface.

Why choose it

- **Very light parts:** with a volume expansion ratio of 220%, density drops to just 0.54 g/cm³.
- **Better flight performance:** for the same model, lower mass reduces wing loading and stall speed.
- **Adjustable expansion:** the print temperature sets how quickly and how strongly the material foams.
- **Stable layer adhesion:** layers stay well bonded despite the expansion of the material.
- **Smooth matte finish:** the foam makes print lines barely noticeable.

Technical specifications

- **Material:** lightweight active-foaming PLA (PLA-LW)
- **Brand:** eSUN

- **Colour:** White
- **Diameter:** 1.75 mm
- **Net weight:** 1 kg
- **Format:** spool
- **Density after foaming:** 0.54 g/cm³
- **Volume expansion ratio:** 220%
- **Nozzle temperature:** 190-270 °C
- **Bed temperature:** 45-60 °C
- **Manufacturer code:** PLA-LW175W1P1

Printing tips

- Do not slow down the first layer. Keep it at the same speed as the rest of the print.
- The degree of expansion depends on temperature, speed and the melt chamber volume of the nozzle. Calibrate flow, temperature and wall thickness with test prints.
- With PTFE-lined (Teflon) hotends, avoid running for long periods over 250 °C. Always respect the maximum temperature of the printer to prevent clogs.
- Because the material keeps foaming in the nozzle, retraction is largely ineffective and stringing may occur. Vase mode is the preferred choice for RC models.
- Parts may turn slightly yellow when foaming at high temperatures, which is more visible on white. This is normal and is reduced by lowering the temperature.

Compatibility

FDM printers using 1.75 mm filament.

Package contents

- 1 spool of filament, 1 kg

Print results

Print quality depends on the printer and its calibration, the profiles and settings used, how the filament is stored and the user's experience. The temperatures and parameters given are the manufacturer's starting values: tests and adjustments are the buyer's responsibility and at the buyer's expense. Failed prints or material used up because of unsuitable settings or hardware are not product defects.

Returns and withdrawal

The filament is vacuum-sealed because it absorbs moisture from the air. The right of withdrawal (14 days, consumers only) applies when the spool is returned with its **vacuum packaging intact and sealed**. An opened package can no longer be sold as new: in that case the refund is reduced by the loss in value of the product (Art. 57(2) of the Italian Consumer Code). Purchases made with a VAT number are not eligible for withdrawal. The legal warranty for defective products always applies.

Notes

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