

Sealing printed fishing lures

3DP-043 / REV A / 2026.09.01

Layered plastic and glued seams are not automatically watertight. Verify both the shell and every hardware penetration.

STATUS	Recovered/Partial
CLASSIFICATION	3DP
MATERIAL	3D PRINT / MAKER
DISPOSITION	PUBLIC / RECOVERED/PARTIAL
CATEGORY	3D Printing
RECORD TYPE	project

GOAL

Run the first test described in this guide and record the result for sealing printed fishing lures.

SOURCE STATE

New reference guidance; not a recovered test result

EQUIPMENT

- FDM printer / slicer
- Slicer project
- Calipers or inspection method

MATERIALS

- Material requires confirmation

METHOD / STEPS

1. Clean and dry the assembled shell. Inspect seams, ballast plugs and eyelet penetrations under a bright light.
2. Select a coating or adhesive whose manufacturer permits the plastic and cured water exposure. Mix, apply and cure exactly as directed; thin coats help preserve detail.
3. Weigh the fully cured lure, immerse it for a defined interval, dry its outside consistently and reweigh. Repeat longer if no gain is detected.

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- Repair the actual leak location, cure again and repeat the test before fitting exposed hooks and fishing.
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THINGS TO WATCH FOR

Touch-dry is not necessarily fully cured. Some products soften plastic, remain tacky or are unsuitable for aquatic exposure. A heavy clear coat changes buoyancy. An overnight soak is a useful screen, not proof of indefinite durability.

FIRST TEST / WHAT TO RECORD

Keep coating product, cure time, soak time and weight change in the record. Reject persistent water uptake.

RESULT / WHERE THIS STANDS

Keep coating product, cure time, soak time and weight change in the record. Reject persistent water uptake.

TROUBLESHOOTING

- Touch-dry is not necessarily fully cured. Some products soften plastic, remain tacky or are unsuitable for aquatic exposure. A heavy clear coat changes buoyancy. An overnight soak is a useful screen, not proof of indefinite durability.
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SPECIFICATION

PRINTER	FDM printer / slicer
MATERIAL	Material requires confirmation
FOCUS	Buoyancy, sealing, ballast, and retrieval
VALIDATION	Small test print before release

DEVELOPMENT HISTORY

2026.09.01 / Rev A

Imported as an independent manifest record; public copy keeps uncertainty visible.

REFERENCE NOTES

Official help.prusa3d.com reference (https://help.prusa3d.com/article/petg_2059).

HOW-TO SOURCES

Official help.prusa3d.com reference
https://help.prusa3d.com/article/petg_2059

RELEASED MATERIAL / SOURCE LINKS

3dp-043-public-summary.txt

PUBLIC SUMMARY / RECOVERED NOTES

<https://u225x.com/downloads/manifest-records/3dp-043-public-summary.txt>

RETURN TO THE LIVING RECORD

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This PDF preserves the public notes at this revision. Visit the record for updates and attached images.

<https://u225x.com/record/3DP-043>