

Eco-Friendly 3D Printer Filament

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Recyclable 3D filament.

Most 3D printer filaments can't be recycled by local government programs. PETG, ABS and PLA are very common and can be recycled industrially or at home.

How to recycle 3D filaments.

3D printer filaments are not accepted by local recycling centres but can be recycled by using 3D filament recyclers. Inside the 3D filament recycler, plastic is broken into smaller pieces where it is then melted and extruded onto a reel.

3D filaments can also be recycled into sheet plastic and moulded into small products at home using a blender and oven in your kitchen.

Where to buy recycled and eco-friendly 3D filament.

Recycled 3D printer filament can be purchased from Prusament and FormFutura for around \$45 USD. Biodegradable 3D printer filament can be purchased from Terrafilum and Algix for around \$35 USD.

Environment and economics.

Non-biodegradable PLA filament is very cheap and can be bought in bulk for around \$12 USD. Biodegradable or recycled filaments are twice the price of non-biodegradable filaments. The majority of consumers purchase the cheapest 3D filaments which are non-biodegradable.