

3D Print With Hot Garbage!

Landfillament is a garbage based 3D printing filament made using upcycled Municipal Solid Waste (MSW). On location, the MSW, from which metals have been removed, is run through a process called pyrolysis – a thermochemical decomposition of organic material at high temperatures in the absence of oxygen. During pyrolysis a char byproduct is created.

The black char byproduct can be used for many things, including composite plastic 3D printing filament. The gas byproducts produced in this process are also captured for new uses. Because of this process, each spool of Landfillament sequesters .909lbs of CO₂e (carbon dioxide equivalent) which is the equivalent amount of greenhouse gas emitted by a car driven 1.1 miles.

Landfillament – Garbage Filament can be printed on any machine capable of printing with PLA using standard PLA settings.

Print Settings

Landfillament prints well at 180-210 C. In general, a good starting point is 10 degrees cooler than you typically print PLA. A heated bed is not necessary, though if you have one, set it to 45 C.

Filament Information

Quality: All 3D-Fuel 3D printer filament is manufactured in our own production facility located in Fargo, North Dakota or in Merville, Ireland (depending on customer location). We have complete control over the manufacturing process and are able to ensure consistent quality for every spool. Learn more about 3D-Fuel USA filament quality.

Diameter Tolerance: Variable diameter can cause big problems in your 3D printer. We use a multi-axis laser measurement system to control our filament diameter and ovality in real time during production. Every spool has the diameter and ovality measurements listed right on the box.

Packing Information: 500g (1.1lbs) of Landfillament plastic filament arrives on an easy-to-use plastic reel and is vacuum sealed with a desiccant packet to keep out any moisture.

Test Printing: The 3D-Fuel test lab features multiple brands of 3D printers including MakerBot, LulzBot, FlashForge, and more. We 3D print what we manufacture to ensure that our filament provides the absolute best quality possible.

