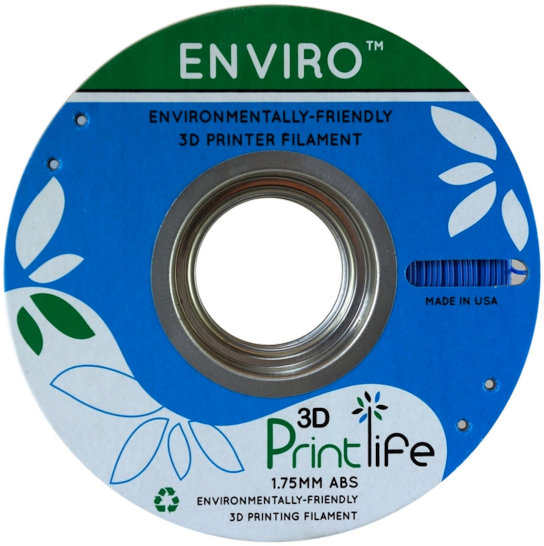
3D Printlife

Is Proud To Present:

ENVIRO™

The World's First Environmentally Friendly, ABS 3D Bio-Filament



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Made In The USA

- 3D Printlife's Enviro ABS was created to bridge the gap between the printing performance of ABS, and the environmental friendliness of PLA.
- Enviro has been specially formulated for the purpose of microbial consumption, common with the bacteria found in Landfill to Energy facilities.
- The additives used in Enviro are bio-based, and are designed and formulated to have an affinity for ABS.
- Enviro maintains the dimensional stability and printing characteristics of ABS.
- Rather than use a traditional plastic spool, Enviro is wound onto a heavy recycled cardboard spool that is biodegradable and bound with a recyclable metal end cap.
- Every spool of Enviro comes with a reusable, resealable plastic bag to help extend the life of the filament once it is opened.
- Enviro even comes with a piece of seed paper that is biodegradable, printed with soy-based inks and embedded with annual and perennial wildflower seeds!
- Plastic is going into landfills in enormous amounts. 20-25% of landfill weight is plastics.
- By printing with Enviro you are helping to reduce the environmental impact of 3D printing with ABS.
- ABS is useful for making durable parts that need to withstand higher temperatures. In comparison to PLA, ABS is less 'brittle.' It can also be post-processed with acetone to provide a glossy finish.
- Enviro is made in the USA with the highest quality materials and extrusion processes available. It is extruded using a specially designed extruder screw that is designed to promote mixing while minimizing shear and degradation of the polymer. The extrusion process is carefully controlled to promote six sigma dimensional stability of the filaments. Leading to consistent printing and fewer clogged print heads.
- Every spool of Enviro ABS is measured to ensure that it is within the strictest standards for quality, diameter, and ovality. The filament extrusion process is continuously monitored with twin axis lasers that monitor the consistency of the diameter and roundness of the filaments. This six sigma level quality enables our customers to print with confidence that each inch of filament will generate the same amount of support, shell, or infill as the last.
- 3D Printlife uses high quality 100% virgin resins and colorants in filament manufacturing. Materials are dried to remove moisture under our internal specifications. Excessive moisture in the filaments during extrusion can damage the polymer resulting in weaker polymer chains that lead to brittle filaments that can snap as they unwind from the spool or result in excessive nozzle drool.
- Each spool of Enviro is carefully wound to exacting standards to minimizing cross overs and loopbacks that can lead to snags and snaps. The filament clings tightly to the spool until it is paid off the spool, making it easy to feed into the printer reducing failed prints. We do not hesitate to reject spools that do not meet our exacting quality standards.
- In addition, a portion of the proceeds from every spool of Enviro will be donated to the Nature Conservancy's "Plant a Billion Trees" fund to plant a tree. One spool equals one tree, rejuvenating iconic forests in key locations throughout the United States.