

Printing w/ HydroSupport™!

HydroSupport dissolves completely in water and is much easier to print with than PVA filament. Because it dissolves in water, HydroSupport only needs to be soaked a few hours to easily work off by hand, or 2 – 12 hours to dissolve completely. You can speed up the dissolution by using warm water and agitation, such as a heated ultrasonic tank.

HydroSupport is non-toxic, meaning it can be rinsed down the drain without harming the environment or wildlife. HydroSupport has a high tensile strength and feels like PLA when printing is complete. Use it as a support material to print large overhangs, intricate inner geometry, and deep cavities.

Because HydroSupport breaks down in water, it is sensitive to high levels of humidity. For best results store unused HydroSupport filament in a sealed container with desiccant.

Print Settings

Print at 215°-230°C with buildplate at 45°-60°C. Set retraction distance to 1-10mm and retraction speed to 20mm/s. Print at normal PLA speeds. Every printer is different; some trial and error is best before starting a large project. Reducing the gap between supports and model to 0.00 mm helps with adhesion and surface finish. HydroSupport oozes a bit more than PLA. Please engage an ooze shield and purge tower if able.

Filament Information

Quality: All of our filament is manufactured in our own plants (Fargo, North Dakota and Merville, Ireland). We completely control the manufacturing process allowing us to ensure consistent quality for every spool.

Diameter Tolerance: Filament with a fluctuating diameter causes big problems. We use a multi-axis laser to control our ovality and diameter. Every spool has those real-time measurements *listed right on the box!*

Packing Information: Each .5KG (1.1 LBS) spool of HydroSupport arrives on a durable plastic reel that is vacuum sealed with a desiccant packet to keep out moisture.

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



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about our unique
HydroSupport™
Material!!

