



3DGENCE

HOW
TO USE
BVOH?

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BVOH (butenediol vinyl alcohol co-polymer)

water-soluble support material with highly hygroscopic properties.
The filament should be stored in a tightly closed bag filled with desiccants.

The material should be printed:

- in an environment with humidity below 40%,
- while printing in a high humidity environment, material dryers should be used or the material should be stored in a dedicated filament chamber*.

If the printer is not equipped with the dedicated filament chamber, due to the BVOH properties, after finished printout, the user should:

- unload the filament by choosing from the printer menu: Materials → Unload support material and follow the commands on the printer display,
- store the filament in a tightly closed bag with desiccants.

While printing with moist material, following disfunctions may occur:

- problems with laminating layers,
- characteristic foaming of the printed material,
- repeated material feed malfunctions.

How to proceed with moist material:

- it should be dried in a low humidity environment within the temperatures between 40°C - 50°C for 12 hours,
- an industrial dryer, a device for drying filaments or the dedicated filament chamber* should be used in a drying process,
- in the dedicated filament chamber*, set the temperature to 40°C, place the filament in and wait for 12 hours in a closed chamber,
- if you do not have an access to the above-mentioned devices, you can heat up the printer's heatbed to 50°C, turn off the sleep mode by selecting: Menu → Settings → Sleep of on the touch screen, place the filament on the heatbed and leave it for 12 hours.



Any moistened material with the individual fibers stuck together on the spool is useless and must be utilized.

If you have any questions, please contact us by the application form at www.3dgence.com/support.

* Applies to the 3dGence INDUSTRY F340 printer.