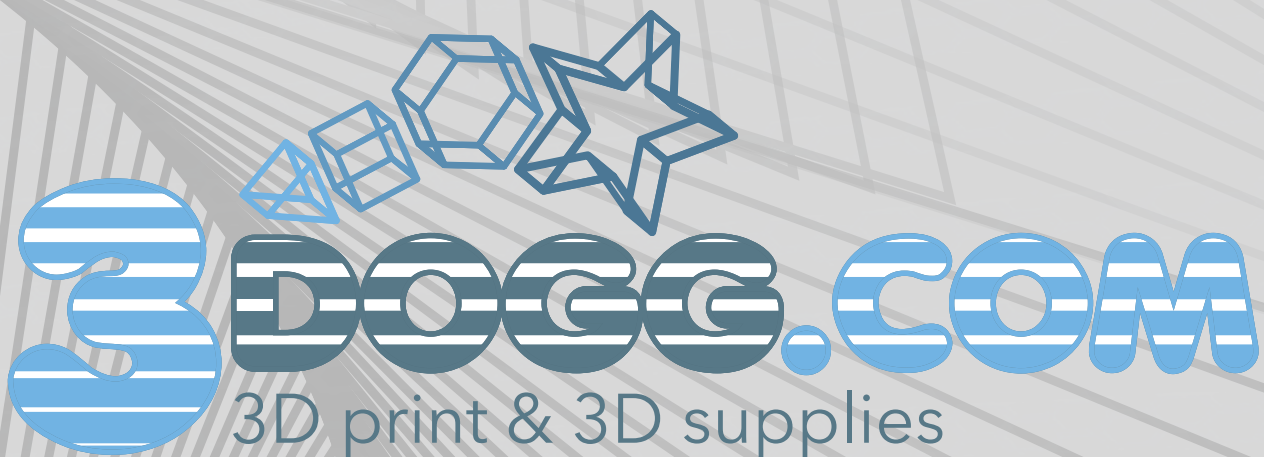


The best 3d printing materials

PVDF Filaments



PVDF 3D Filament

We offer 4 PVDF 3D filaments:

- PVDF-H monofilament 100% pure Kynar, natural white
 - PVDF-C co-polymer, natural white
 - PVDF-CB NEW: Black
 - PVDF-C-ESD NEW: Black with graphene
-
- PVDF (PolyVinylideneFluoride) is available in 1.75 en 2.85mm
 - PVDF-C is a bit more flexible than PVDF-H
 - PVDF-H has high shrinkage and is more difficult to print than PVDF-C
 - PVDF-C very easy to print (almost like PLA)
 - PVDF-C is ideal for large and/or solid parts

TIP: supportmaterial:

You can even print with a supportmaterial: HIPS.

There is no adhesion between the two, but you can print a thick roof on the HIPS and then lay the PVDF filament down on this. Customers get great results doing this.

PVDF Printservice

PVDF Parts: No Experience Necessary

Some people want to get the filament and start printing. Others just want to focus on the finished part and have no interest in the printing details. We get it. Now you can receive your Kynar® PVDF 3D printed parts without becoming an expert in filaments or printers. 3Dogg offers prototype and low-volume production parts made from our Fluorinar-H™ or Fluorinar-C™ Kynar® PVDF filaments.

Kynar® PVDF 3D prints provide:

- outstanding chemical resistance
- long-term performance in UV and gamma radiation
- In high-purity, low-extraction applications that require a USP Class VI material nothing performs better than Kynar® PVDF
- Kynar® PVDF has been tested on the front lines for more than 50 years in the chemical process, semiconductor, pharmaceutical and nuclear industries. There are never any failure surprises since the material properties are well known.

Fluorinar-H™ vs. Fluorinar-C™

Fluorinar-H™ is made from Kynar® PVDF homopolymer. With more crystallinity and a higher melting temperature, Fluorinar-H™ has improved chemical and permeation resistance. However, these material advantages make Fluorinar-H™ prints more susceptible to warping and dimensional distortion. Fluorinar-C™ offers increased flexibility with zero print warping or distortion and can be printed without brims or other adhesion methods. With Fluorinar-C™ the only limitation to part size is the print volume of the machine.

Feel free to contact us.

