

Fluorinar™ Kynar® PVDF Filament

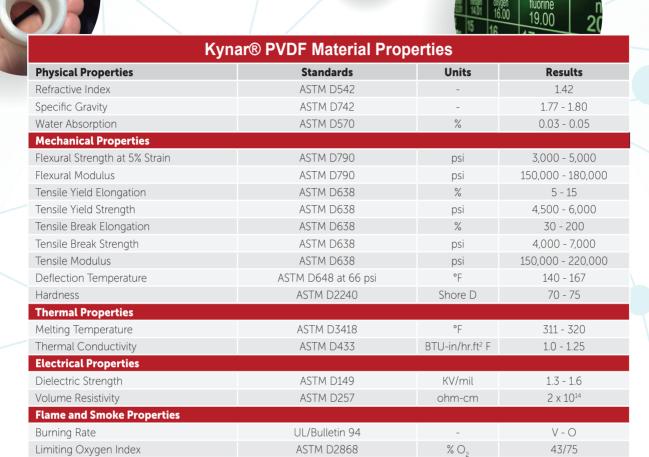
3D printing is an exciting addivie manufacturing method. However, available filament materials for engineers and chemists lack the corrosion resistance required for many industrial applications. With Fluorinar™ Kynar® PVDF filament reality has changed. Advantages of Fluorinar™ filament include:

- » Rapid part production in small quantities
- » Production of solid stock for CNC machining when tight part tolerances are required
- » Easy to print filament settings can be achieved on most consumer-grade printers
- » Wide melt window means no outgassing during part production
- » Final parts are corrosion resistant and can be exposed to a wide range of chemistries
- » Withstand UV and ionizing radiation without mechanical compromise

Fluorinar filament is made from 100% PVDF without processing aids, stabilizers, colorant or fillers.

Fluorinar™ Kynar® PVDF Print Settings								
Print Quality	Filament Material	Color	Raft	Extrusion Temp (C)	Bed Temp (C)	Print Speed (mm/sec)	Layer Height (mm)	
Standard	Fluorinar™	Natural	Yes	240 - 250	100	50	0.25	
High	Fluorinar™	Natural	Yes	240 - 250	100	30	0.14	

Fluorinar™ Kynar® PVDF Filament Properties									
Part Number	Materials	Color	Filament Diameter (mm)	Diameter Tolerance (mm)	Filament Spool Weight (g)	USP Class VI			
NPF175N	Kynar PVDF	Natural	1.75	+/- 0.05	500	Yes			
NPF285N	Kynar PVDF	Natural	2.85	+/- 0.05	500	Yes			



Kynar® PVDF Chemical Resistance

Chemical	Concentration	Maximum Temperature °F	
Acetic Acid	50% in water	200	
Acetone		Not Recommended	
Brine		275	
Bromine, liquid		150	
Chlorine, liquid		175	
Chromic Acid	Up to 40% in water	175	
Hydrochloric Acid	Up to "concentrated"	275	
Hydrofluoric Acid	41 - 100%	200	
Nitric Acid	11 - 70% in water	150	
Phosphoric Acid	Less than 85% in water	275	
Sulfuric Acid	Up to 60% in water	250	



Fluorinar[™] Kynar[©] PVDF Filament is packaged is the USA and sold in Europe & Asia by **3dogg.com**. ☎ **0031-622-395 762 or info@3dogg.com**

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