



Fluid Path Products

Safety. Repeatability. American Made.



FluoroSteel



Fluid Path's FluoroSteel



Fluid Path Products is home to the best 316L-filled PTFE material. As in-house designers and manufacturers, Fluid Path Products' principles have developed an improved molding process that produces products with less porosity and noticeably enhanced finishes. FluoroSteel material offers an inert contact surface that withstands the most challenging SIP required in all biotech and pharmaceutical processing.

Fluid Path's FluoroSteel Difference:

- In-house engineering, design, and manufacturing allow for total control - Made in the USA
- The compound has been utilized longer than any other Stainless filled PTFE in biotech and pharmaceuticals.
- New tooling design produces better finishes and BPE-compliant inside diameters.
- Meets 3A Standards
- USP Class VI tested
- Any and all geometry is available
- No animal derived ingredients are used to produce FluoroSteel.

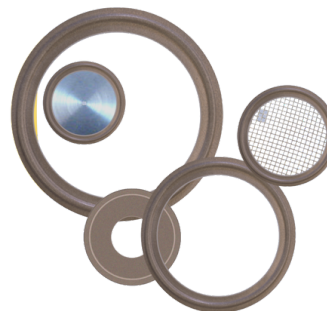
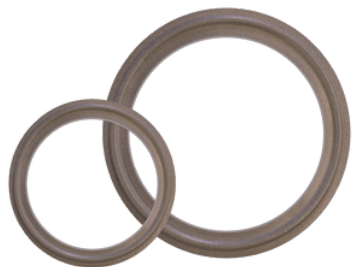


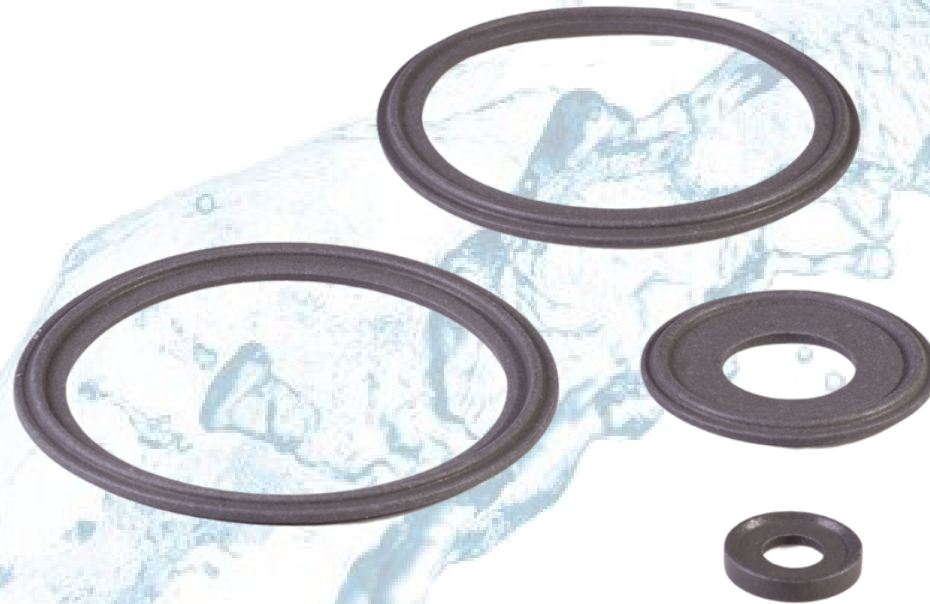
FluoroSteel Physical Properties

FluoroSteel is constructed of 50% PTFE and passivated 316L stainless steel

Custom geometries are available

Property	ASTM Method	Value
Specific Gravity	D792	3.48
Tensile Strength	D4894	1928 PSI
Elongation @ Break	D4894	270%
Compressive Stress @ 1%	D695	832
Compressive Stress @ 5%	D695	2590
Compressive Modulus	D695	84200
Hardness	D2240	68
Temperature Low	Continuous	-400°F
Temperature High	Continuous	500°F





Fluid Path Products

- **In-House Design**
- **Manufactured in The USA**
- **30+ Years of Experience**
- **Engineered by FPP**
- **Custom Geometries**
- **In-House Development**

Fluid Path Products certifies that the final production articles are comprised of our fluoropolymer compounds. We certify that FluoroSteel has been tested and is in compliance with the criteria of United States Pharmacopeia, Class VI, Section 87 & 88. The test article (FluoroSteel) was extracted at 60 cm² per 20ml of extracting medium at 121°C for 1 hour. FluoroSteel also complies with the FDA Code of Federal Regulations for PTFE and fluorocarbon resins under Title 21, paragraph 177.1550 for repeated use in contact with food