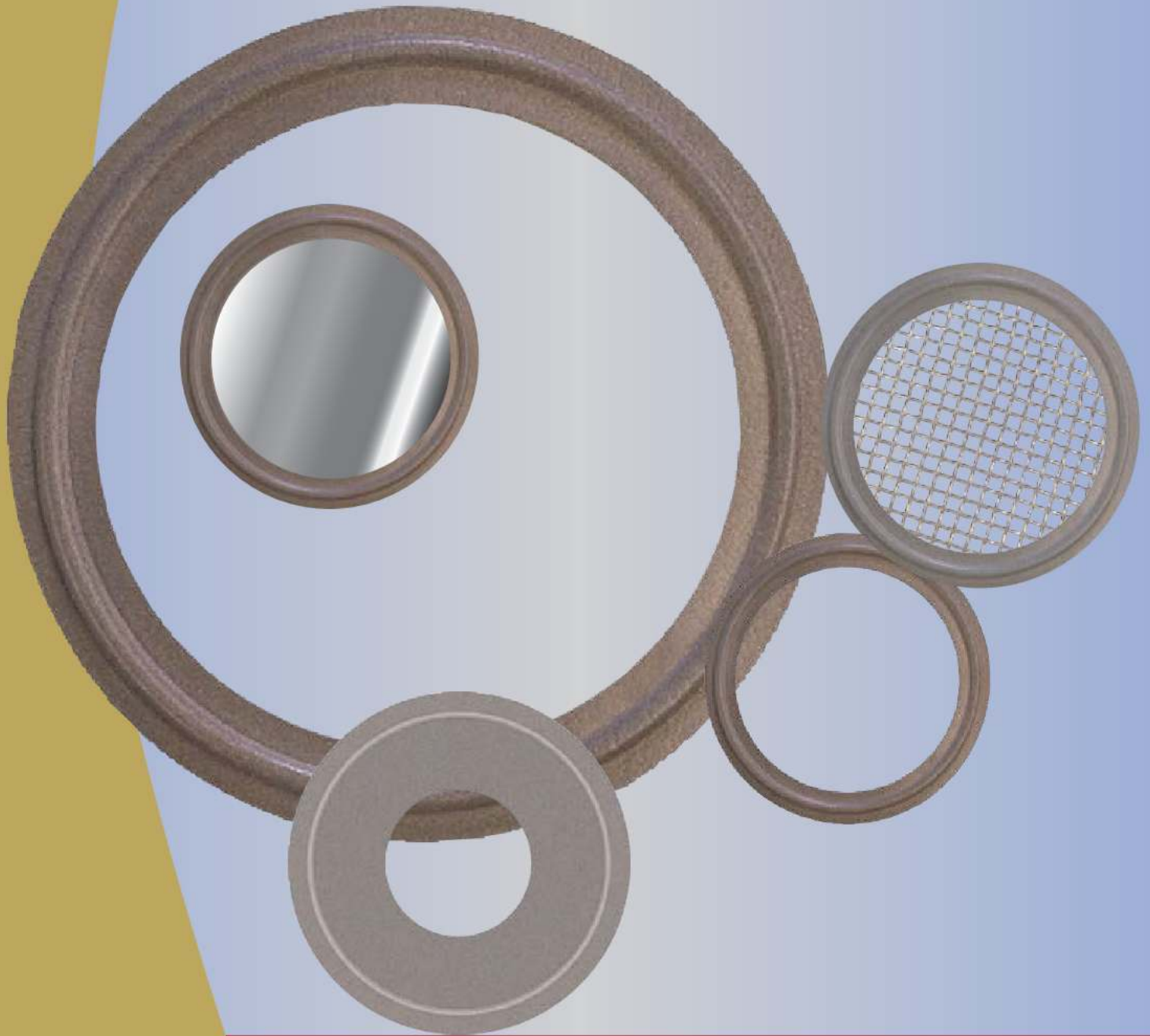




PolySteel

From The Founders Of The Original Stainless Steel Filled PTFE Gaskets



www.flowsmartinc.com

103 DAVIS DR., SEAFORD, DE 19773 PH: 302.536.6388 FAX: 302.628.9032

Flow Smart offers a proven compound comprised of TFM blended with 316L Stainless Steel sintered into a unified alloy. Flow Smart's PolySteel provides the ultimate high purity steam resistant material without the severe cold-flow that is associated with conventional PTFE products. PolySteel has the chemical resistance and the compressibility of PTFE with an improved mechanical strength provided by the inclusion of 316L Stainless Steel. PolySteel is available molded into gaskets of all types of geometries including Clamp, I-Lines, O-rings, Orifice Plate Gaskets and Screen Gaskets. PolySteel will give you unprecedented sealing longevity, and it is metal detectable.



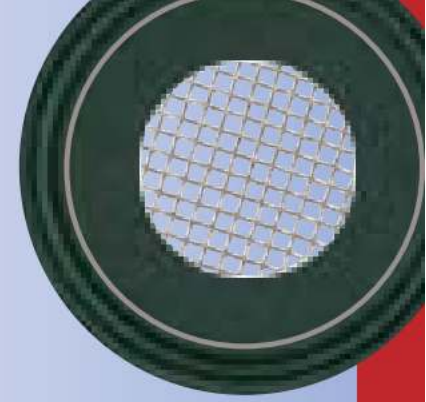
PolySteel material offers an inert contact surface that withstands the most challenging SIP required in biotech and pharmaceutical processing. Seal Performance will remain as creep and cold flow are minimized with extreme ΔT .





The Flow Smart PolySteel Difference:

- Only Stainless filled PTFE gasket with FDA approval.
- Compound has been utilized longer than any other Stainless filled PTFE in biotech and pharmaceuticals.
- USP Class VI tested
- New tooling design produces better finishes and BPE compliant inside diameters.
- Meets 3A Standards
- Any custom geometry is available
- Only Flow Smart PolySteel gaskets are produced from the compound that was known and specified as Tef Steel or Tuf Steel before October 2003.
- No animal derived ingredients are used to produce PolySteel.



CUSTOM GEOMETRIES AVAILABLE

Properties of PolySteel

Property	ASTM Method	Value
Specific gravity	D792	3.45
Tensile Strength	D4894	1928PSI
Elongation at Break	D4894	270%
Compressive Stress at 1%	D695	832
Compressive Stress at 5%	D695	2590
Compressive Modulus	D695	84200
Hardness	D2240	68
Temperature Low	Continuous	-400°F
Temperature High	Continuous	500°F



103 DAVIS DR., SEAFORD, DE 19973
PH: 302.536.6388
FAX: 302.628.9032
www.flowmartinc.com
solutions@flowmartinc.com