



...Changing The Way  
Products Are Sealed.



**DISCOVER WHY MORE  
INDUSTRIES ARE CHOOSING  
US FOR CUSTOM-ENGINEERED,  
LEAKPROOF SEALING SYSTEMS.**

# PERFORMANCE + DURABILITY + CUSTOM DESIGN = THE SPRINGSEAL® ADVANTAGE



SpringSeal's design and engineering capabilities span from basic O-rings to complex sealing systems. Our expertise in custom extrusions, thermoplastic products and complete ASTM testing can develop a sealing solution for the most challenging jobs.

What began in 2003 as an innovator of dual hardness gaskets evolved into a company that today owns multiple worldwide patents in gasket and fusion processing and manufacturing technology. Those patents have been instrumental

in our growth and mission to develop specialized sealing applications for customers across a wide range of industries.

SpringSeal now works with leading-edge companies on critical sealing applications from concept to final production. Manufacturing facilities in St. Louis, MO, and Garrettsville, OH, ensure you get the right seal produced and delivered at the right time.

*"SpringSeal has quickly established a reputation for manufacturing highly-engineered, price-competitive products which offer many performance advantages."*  
--- ExxonMobil

## DEVELOPING A BETTER SEAL FROM THERMOPLASTIC ELASTOMERS

At SpringSeal, our challenge has been to develop longer-lasting seals made from thermoplastic elastomers (TPEs). Seals engineered from TPE yield excellent sealing properties and long-term aging performance beyond the capabilities of thermoset (rubber) materials. Our gaskets are made of high quality TPE the won't crack or harden when exposed to UV for extended periods of time.

Our expertise in TPEs helped produce a chemical-resistant dual durometer gasket for the corrugated pipe seal market. Since that successful product launch, SpringSeal now designs and manufacturers a range of price-competitive gaskets and seals for the polyethylene and PVC pipe industries--and we are taking that expertise into other markets.

Patented products from SpringSeal are saving customers time and money while also contributing to a better and safer environment. These products can be adapted for your company or we can design a sealing system specific to your needs.

- The Waterlock System reduces the amount of sealing material needed while keeping a watertight seal even under extreme pressure. The Waterlock is available in single and dual durometer thermoplastic.
- SpringSeal brand gaskets can be engineered in a range of sizes and used in all types of pressure applications. These seals are co-extruded with 65-70 durometer base and 55 durometer seal materials exceeding the requirements of ASTM-F477.

SpringSeal invented and now holds the patent on dry lubricant film gaskets, which do not require manual application of lubricants prior to assembly. This permanent dry film lubricant eases assembly and eliminates issues due to improper lubrication.



*"Even without lubrication, SpringSeal gaskets are designed to remain in the gasket seat and perform as expected. It all comes down to quality installation, which is essential to our success."*  
---Joe Larkins, Prinsco, Inc.



## SEALS ENGINEERED TO YOUR SPECIFICATIONS

Our flexible manufacturing process means that seals can be produced in a wide range of materials and sizes. We have also introduced engineering capabilities unique to seal design and production:

- Every seal produced can be color coded specific to your company for easy identification.
- Every seal is stamped with its own 'birth certificate' in the form a unique serial number specific to the batch and production date.
- Proprietary seal design process means we can design any seal very quickly and have a prototype ready within a short period of time.

In many cases, we can design and manufacture a seal better than the original while meeting many key performance measures:

- Using less material
- Extending service life
- Improved performance even under harsh conditions
- Decrease in product downtime



## OUR ONGOING COMMITMENT TO A CLEANER ENVIRONMENT

We incorporate sustainable best practices with our customers throughout the design and manufacturing process. Some of these initiatives include:

- Reducing paper with a digital workflow in our office and facilities
- Using highly-recyclable thermoplastic material over thermoset
- Regrinding all scrap that is not used in the final product

SpringSeal's custom-designed thermoplastic gaskets and seals are highly adaptable to the following markets and more:

- Rail transportation
- Plumbing and HVAC
- Foodservice equipment
- Military and defense
- Pharmaceutical production
- Chemical pumps and valves
- Aerospace and aeronautics
- Wellheads and drilling
- Plastic pipe industry



*SpringSeal excels at providing creative solutions to your challenging sealing problems. Contact us about our design and manufacturing capabilities along with an initial free consultation.*



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