

## About Us

Since 1976, ROW, INC. has specialized in advanced O-Rings and gaskets, notably our TFE-O-SIL® line with superior chemical and temperature resistance. Our commitment to quality and innovation ensures durable, high-performance sealing solutions, meeting custom needs with responsive production and a diverse product range.

Manufacturers  
of quality  
encapsulated  
O-Rings since  
1976

ROW INC.  
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## TFE-O-SIL®: Superior O-Ring Solutions

TFE-O-SIL® silicone, Viton™ or EPDM O-Rings encapsulated with FEP or PFA are designed to address the growing problem of sealing in the most hostile chemical and temperature environments. TFE-O-SIL combines the best qualities of two materials, FEP or PFA on the outside with its chemical inertness and an elastomer on the inside for resilience.

Silicone, Viton™, or EPDM, and can be used in temperatures from -75° to +400°F (-60° to +205°C) depending upon the choice of elastomer core.

For high temperature applications to 500°F (260°C), TFE-O-SIL® is made with PFA over silicone. PFA has higher mechanical strength than FEP or TFE at elevated temperatures and has excellent crack and stress resistance.

**FEP-encapsulated O-Rings (Fluorinated Ethylene Propylene):** Outstanding chemical and corrosion resistance

- Low coefficient of friction
- Resilience with choice of elastomeric cores
- Low compression set
- Temperature range: -75°F to 400°F (-60°C to 205°C)
- Unlimited sizes (No tooling charges)
- Solid & hollow silicone, Viton™ cores
- FDA compliant materials available
- USP Class VI approved materials available

**PFA-encapsulated O-Rings (Perfluoroalkoxy).**  
Same as FEP above but with these added benefits:

- High temperature applications to 500°F (260°C)
- Higher mechanical strength
- Better flex-life
- Low vapor permeation
- Excellent stress and crack resistance
- Longer wearability
- Solid silicone & Viton™ core

**NOT ALL ENCAPSULATED O-RINGS ARE OF EQUAL QUALITY AND PERFORMANCE ABILITIES EVEN THOUGH THEY MAY LOOK ALIKE!**

**ROW**  
INCORPORATED



## Typical Applications

TFE-O-SIL Gaskets provide a superior seal for any bulk liquid transfer in manufacturing, distribution or storage.

### Chemical Processing:

From trucks to storage

- From storage to process areas

### Cosmetic Industry:

- Transferring perfumes and oils
- Blending and batching oils and greases for soap

### Petroleum Industry:

- Deliveries to service stations
- Oil canning
- Blending grease and oil
- Mixing oil additives

### Paints & Dyes:

- Mixing color pigments

### Pharmaceuticals:

- Blending raw materials

### Rubber & Plastics:

- Blending liquids and resins

### Printing & Marking Equipment:

- Hose connectors

### Bulk Liquid Transfer:

- Mining slurries, agricultural chemicals, brewing



## Engineering Assistance

Row can support your application by providing rapid prototypes for product validation.

## Ensure Seal Integrity with ROW, Inc.'s TFE-O-SIL® O-Rings

## The Hidden Risk in Encapsulated O-Rings

- ⊙ Glue Fails at High Heat
- ⊙ Risk of Contamination
- ⊙ Chemical Sensitivity
- ⊙ Installation Challenges

## Our Solution

Check the seal integrity yourself with a 350°F test - ROW, Inc.'s O-Rings stay intact.

For more informations, Contact Us !



Call Us Now !  
**(630) 628-9221**