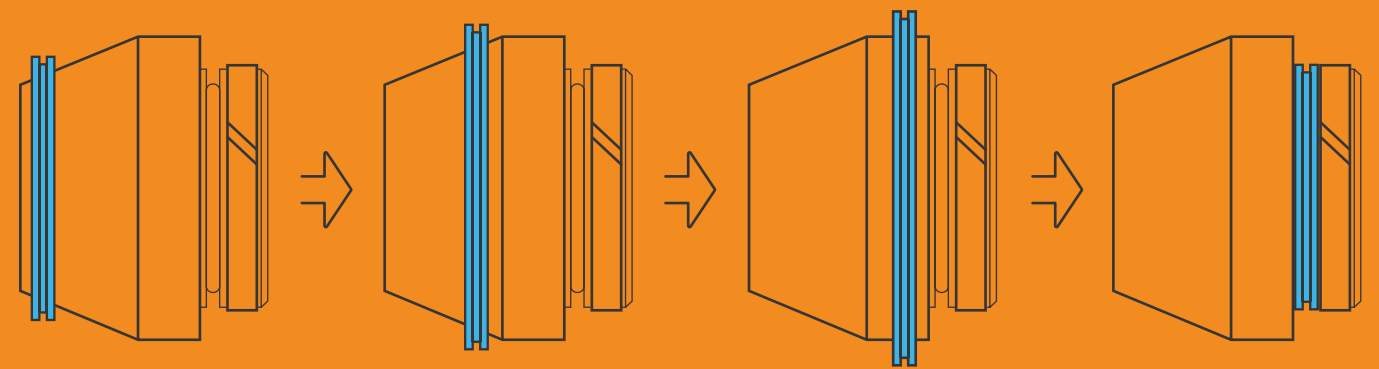
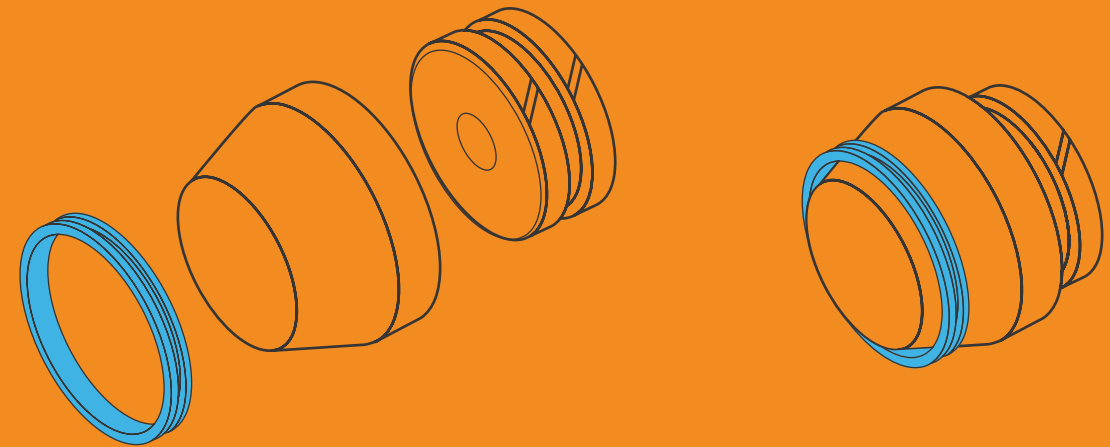




# T-SMART<sup>®</sup> PTFE

WITH 90% SNAPBACK™



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# MORE VERSATILE. LESS FUSS.

## SWITCH TO T-SMART® TO REAP THE BENEFITS OF PTFE WHILE REDUCING COSTLY RE-FORMING PROCESSES.

The specific polymerization process of patent-pending T-SMART® PTFE has the ability to reach exceptional performance properties over virgin PTFE in mechanical, chemical, and thermal applications.

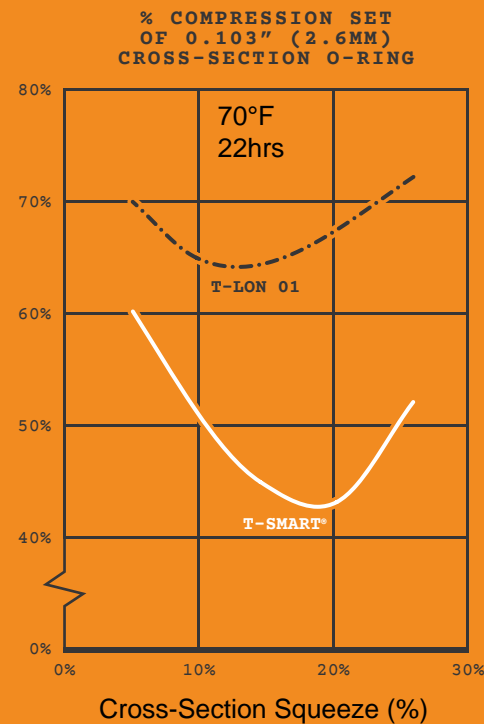
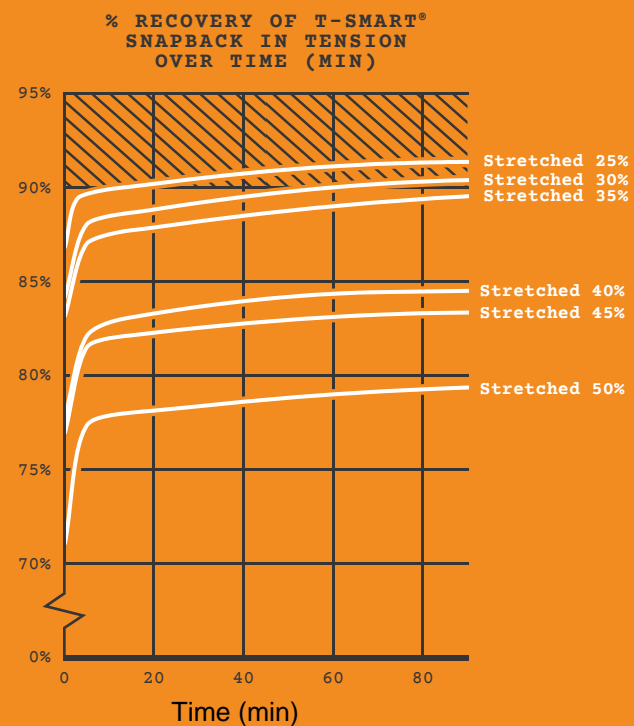
T-SMART's unique snapback capability may enable use of PTFE in existing non-PTFE applications, and may additionally, help eliminate costly re-forming processes.

### IDEAL APPLICATIONS

- O-rings
- Ball valve seats
- Gaskets
- Skived films & sheets
- Piston Seals
- U-cup seals
- Diaphragms
- Lip seals

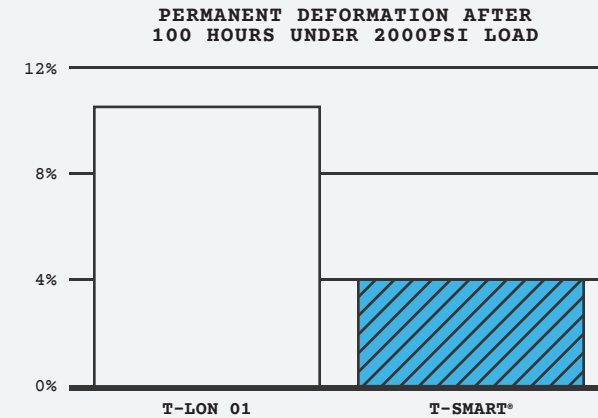
## ← SNAPBACK™ CAPABILITIES

The peculiar characteristics of virgin PTFE are preserved in the T-SMART® PTFE compound, with the unique benefit of over 90% recovery when stretched up to 30% from the initial diameter\*.



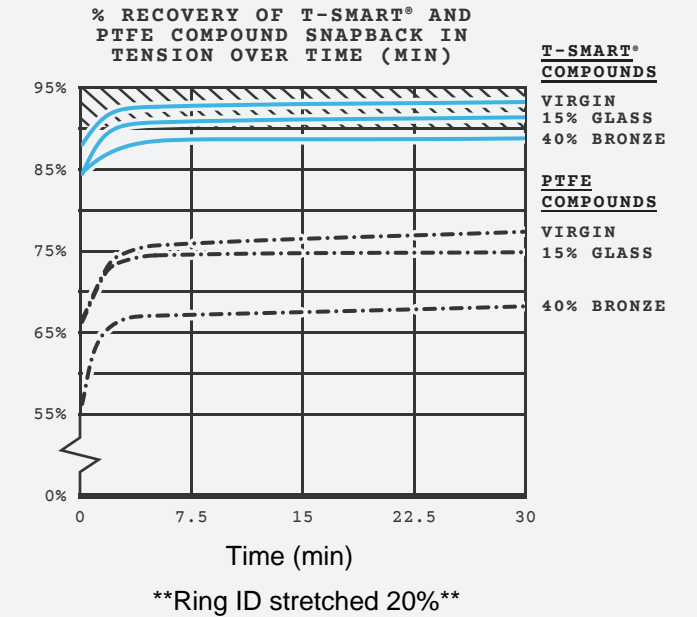
## REDUCED DEFORMATION UNDER LOAD

With its higher elastic modulus, T-SMART® has lower deformation both while under load and free state after load is removed. For static gaskets, o-rings, and seals without an energizer, the T-SMART compound is an ideal material that works in applications standard PTFE would cold flow.



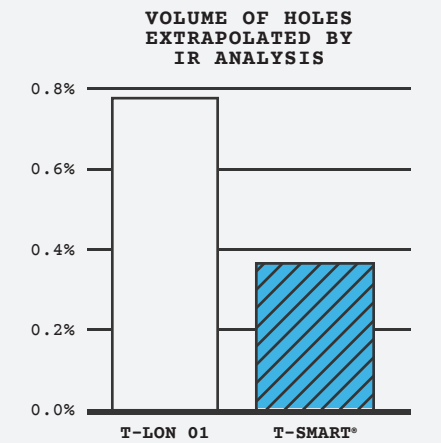
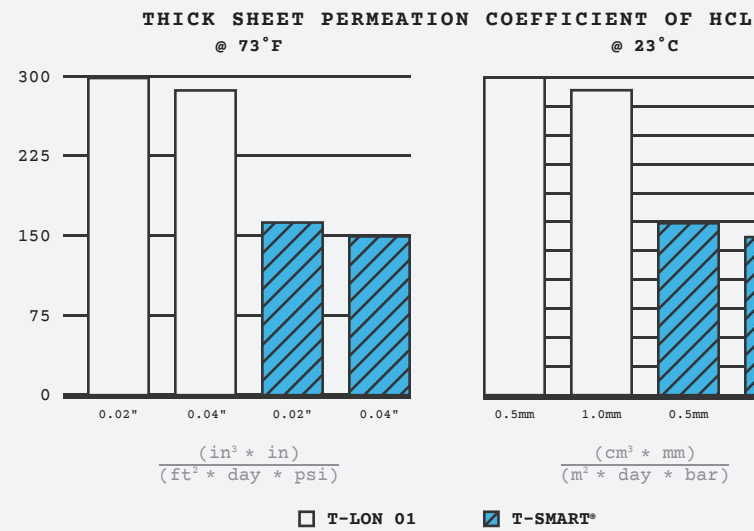
## FILLED COMPOUND SNAPBACK

T-SMART® offers solutions for piston seals especially in hydraulics. Potentially, seal resizing will be eliminated during assembly!



## REDUCED VOID CONTENT, MICRO-POROSITY, AND PERMEABILITY

For sealing media in cryogenic applications or low molecular weight gasses, T-SMART® will improve seal-ability and reduce the amount of media to enter the seal matrix.



## IMPROVED FATIGUE RESISTANCE AND FLEX LIFE

For applications with high deflection nearing the material yield strength, T-SMART® compounds have tested up to four (4) times longer fatigue life than standard PTFE.

## PLUS TRADITIONAL BENEFITS OF PTFE

- RESISTANCE TO AGGRESSIVE CHEMICALS
- HIGH THERMAL STABILITY (-400°F - 500°F)
- FDA COMPLIANCE

\* Dependent on seal geometry.