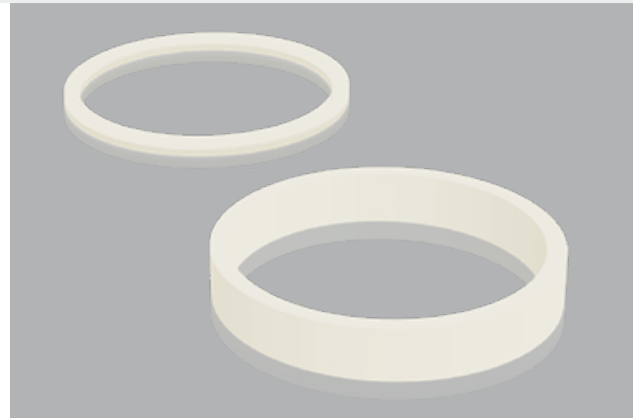


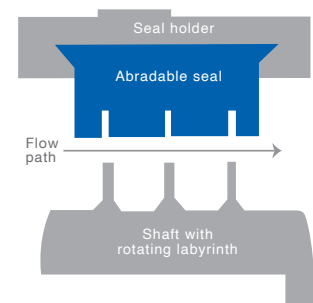
# Abradable polymer labyrinth seals

## Fluorosint® 500 PTFE for Turbo compressors



### Improve turbo compressor seal efficiency

Fluorosint® 500 PTFE has been the industry standard for abrasion-resistant polymer seals for over forty years. The ability to design seals which cut into the Fluorosint® material allows for superior sealing efficiency without destroying shaft labyrinth teeth.



### Trends in turbo compressor market

- Improved efficiency and reliability in compressor seals
- Reduced chemical corrosion
- Increased seal life in fouling gas services
- Cost effective solutions, easy to manufacture

### Customer value

- Fluorosint® 500 PTFE has continuous service temperatures up to 260°C / 500°F for compressor labyrinth seal applications
- Coefficient of Linear Thermal Expansion similar to aluminum
- High resistance to fuels, lubricants and chemicals
- Near net shapes, machining and molde parts

### Key benefits

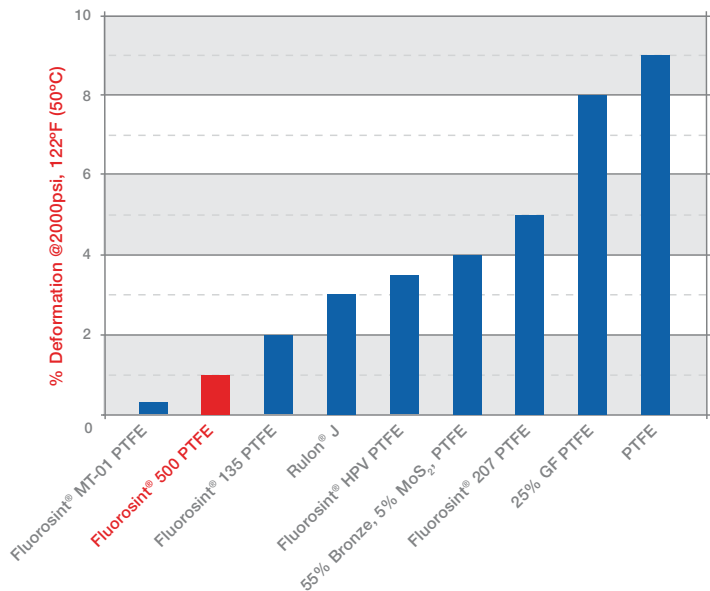
- Increased compressor efficiency
- Increased design capabilities
- Lower cost in service
- NORSOK M-710 (sour gas aging) compliance for Ketron® PEEK stock shapes

### Common applications

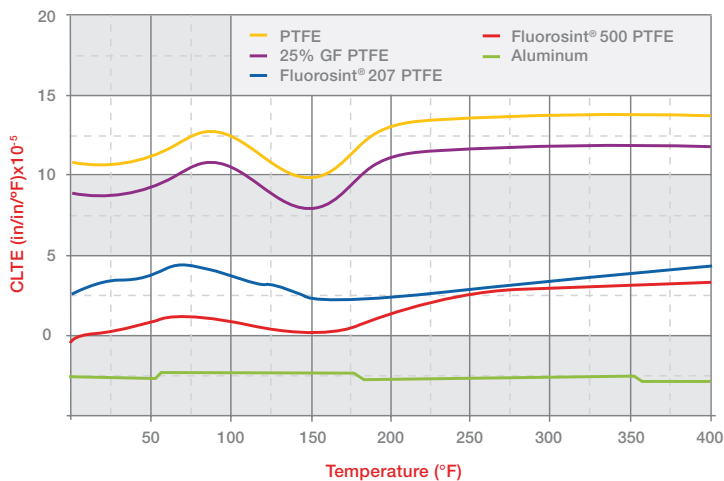
- Abradable polymer labyrinth seals

# Abradable polymer labyrinth seals

**Deformation under load**



**Coefficients of Linear Thermal Expansion**



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