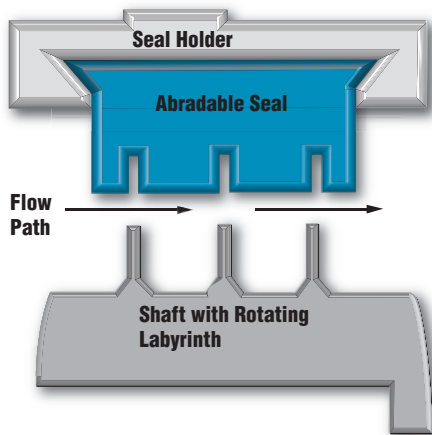


Abradable Polymer Labyrinth Seals



Do you want to improve compressor seal efficiency?

Quadrant's Fluorosint® 500 material has been the industry standard for abradable 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

Quadrant Answers

- Fluorosint® 500 has continuous service temperatures up to 260°C 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 molded parts



Key Benefits

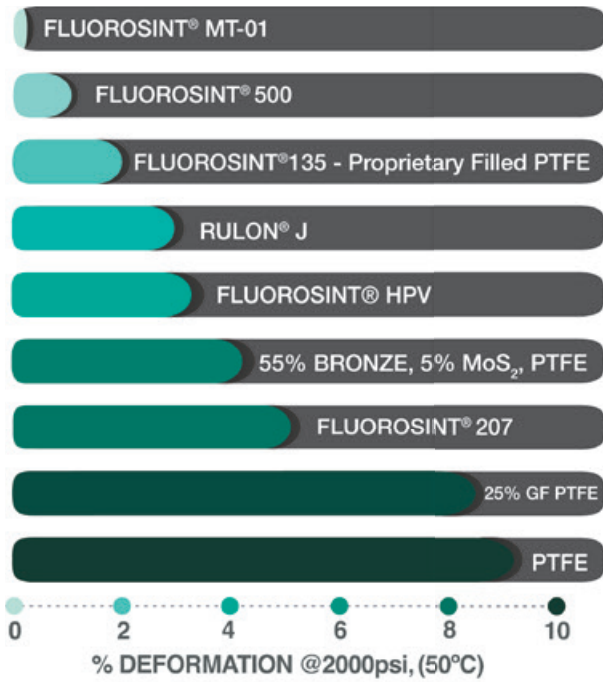
- Increased compressor efficiency
- Increased design capabilities
- Reduced downtime
- Lower cost in service
- NORSOK M-710 (sour gas aging) compliance for Ketron® PEEK stock shapes

Common Applications

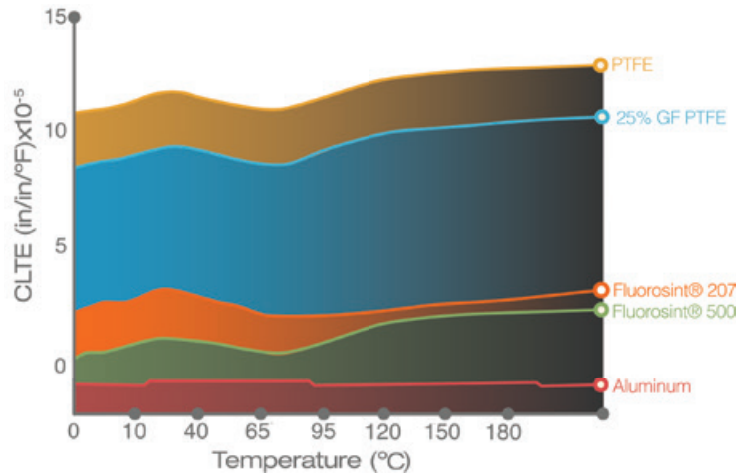
- Abradable Polymer Labyrinth Seals

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Deformation Under Load

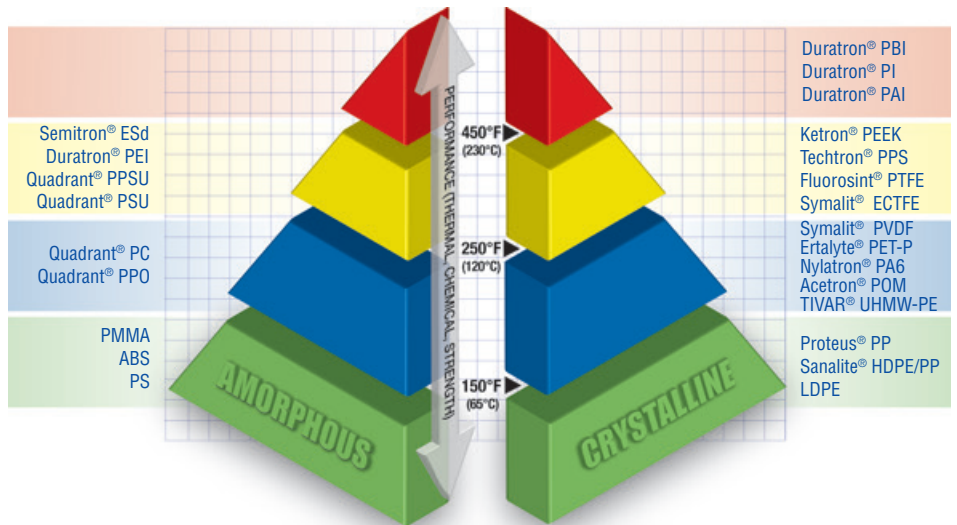


Coefficients of Linear Thermal Expansion



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