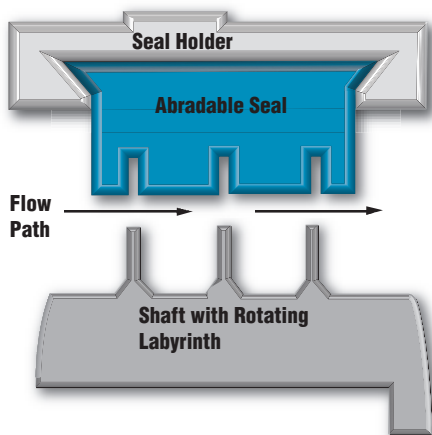


ABRADABLE POLYMER LABYRINTH SEALS

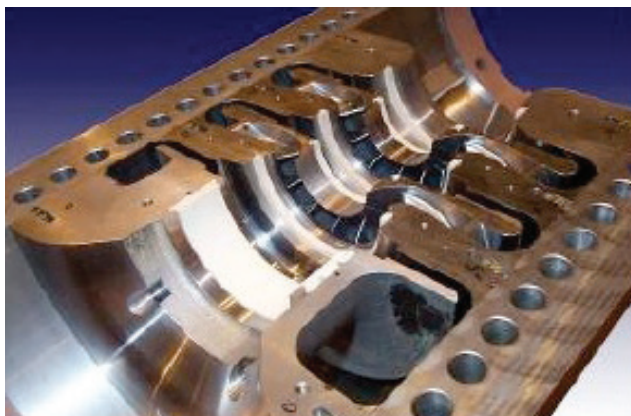


Do you want to improve compressor seal efficiency?

Quadrant 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 Quadrant Fluorosint® Material allows for superior sealing efficiency with out 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, ease to manufacture



Cross-section of horizontally split high-performance process compressor utilizing polymer labyrinth seals. Photography courtesy of Elliott-Company Div. of Ebara Corporation

Quadrant Answers

- Quadrant Fluorosint® 500 has continuous service temperatures up to 500°F/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
- **NEW** NORSOK M-710 (sour gas aging) compliance for Ketron® PEEK stock shapes

Common Applications

- Abradable Polymer Labyrinth Seals



QUADRANT

Acetron®
GP

Duratron®
PAI, PEI, PI, PBI

Etalyle®
PET-P

Fluorosint®
PTFE

Ketron®
PEEK

Nylatron®
PA6

Sanalite®
HDPE/PP

Semtron®
ESD

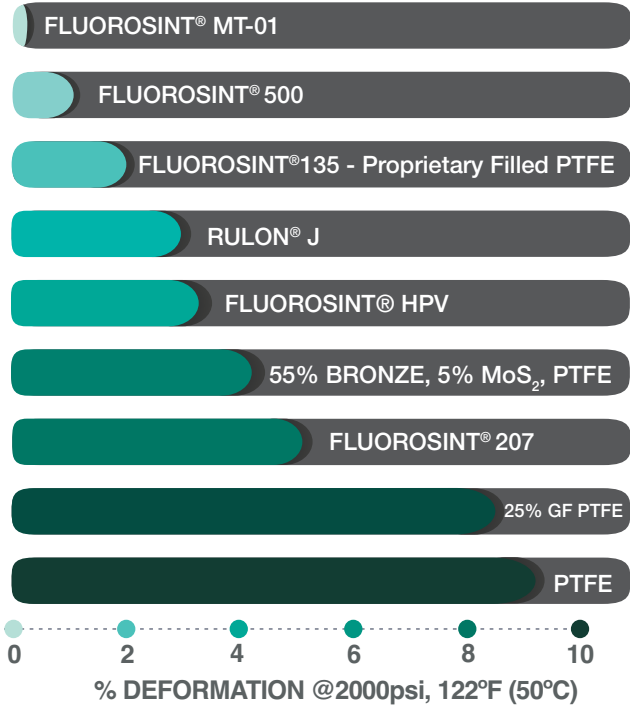
Synalite®
Fluoropolymer

Teetron®
PPS

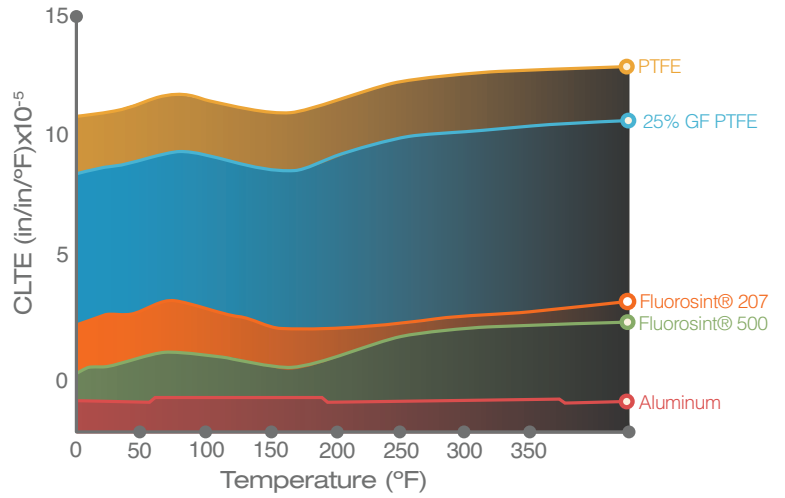
TIVAR®
UHMW-PE

Abradable Polymer Labyrinth Seals

Deformation Under Load

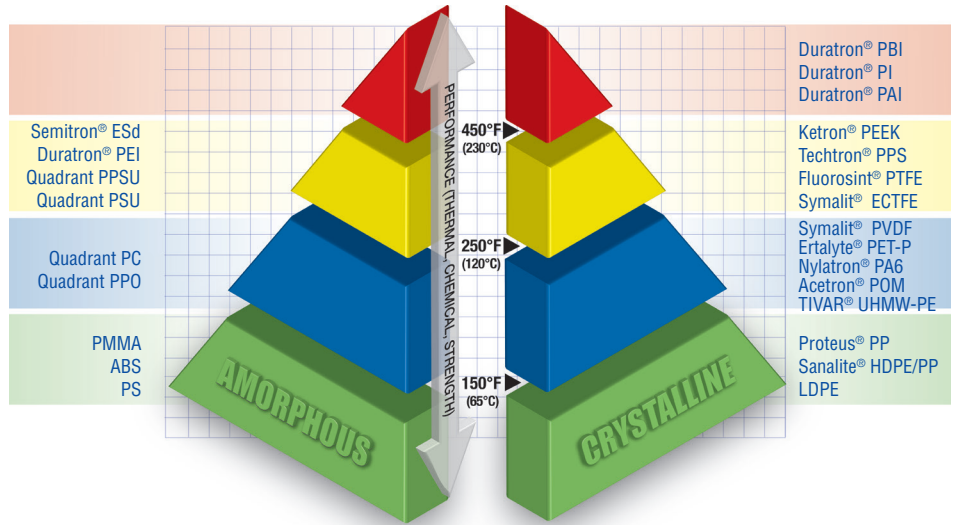


Coefficients of Linear Thermal Expansion



Performance Advantages Start Here!

Explore the industry's broadest family of engineering plastic products, Online! The perfect match for your application, environment and performance level is just a few clicks away.



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