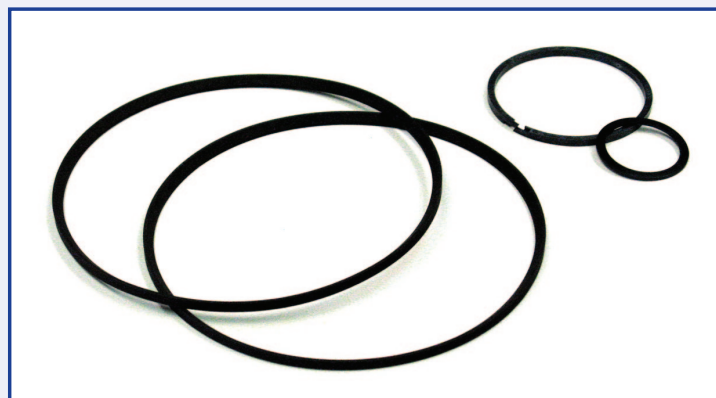


Advanced Engineering Plastics for Compressors & Pumps

Do you want to improve the time between replacement for critical piston rings or wear rings?

Quadrant's newest product, Fluorosint® 135 offers the highest performance at an extremely competitive price position. A perfect blended material which provides extreme performance for seals, bearings and wear applications. The lowest coefficient of friction material along with lowest deformation provides superior performance over typical filled PTFE compounds.



Trends in Compressor and Pump Market

- Improved efficiency and reliability in seals
- Improved wear rate on Piston Rings and Rider Bands
- Increased pressures and temperatures
- Corrosive chemical attacks
- Cost effective solutions, ease to manufacture

Quadrant Answers

- Continuous service temperatures up to 450°F / 232°C
- Lowest wear rate – Industry Tested
- Lowest Coefficient of Linear Thermal Expansion – similar to aluminum
- Lowest Coefficient of friction-No stick slip
- High resistance to fuels, lubricants, chemicals and gas service
- No excessive run in period
- Near net shapes, machining and molded parts

Customer Benefits

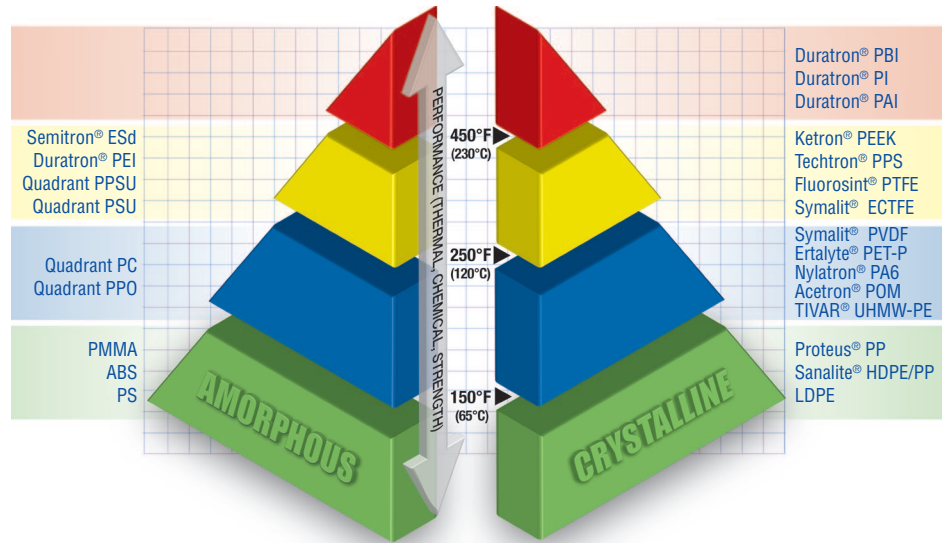
- Increased efficiency
- Increased design capabilities
- Improved wear rate
- Cost effective solutions
- Reduced downtime



QUADRANT

Get the right material for the job!

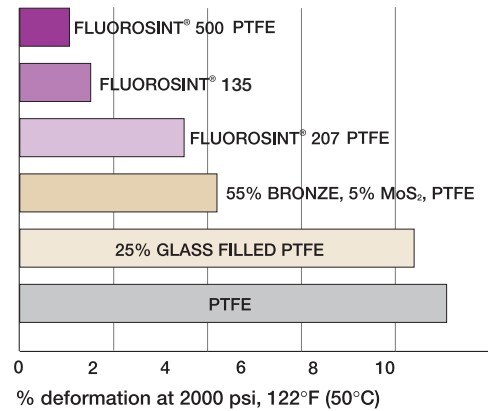
Quadrant's broad family of materials exemplifies our philosophy of developing the best product for every application environment. Our material solutions provide outstanding performance and deliver exceptional value. Quadrant's family of materials gives equipment designers and engineers a performance advantage in several key areas. **Stiffness, Dimensional Stability and Wear Resistance** are all critical factors in selecting a high-performance material for extreme applications. As the inventors of the plastic machining stock industry – more than 60 years ago, Quadrant continues to innovate in the industry we created.



APPLICATIONS:

- Compressor, Pump and Valve Wear Parts
- Seals, bearings, thrust washers and seats
- Compressor Pistons Rings, Rider Bands and Packing Sets
- Lubricated or Non-lube dry running applications
- Typical Air, Hydrogen, Nitrogen, Refrigerant gas service
- Service temperatures of 450°F
- Increased part life and improved performance
- Applications for Chemical Processing, Medical, Aerospace, and Food Markets

DEFORMATION UNDER LOAD



All statements, technical information and recommendations contained in this publication are presented in good faith, based upon tests believed to be reliable and practical field experience. The reader is cautioned, however, that Quadrant Engineering Plastic Products does not guarantee the accuracy or completeness of this information and it is the customer's responsibility to determine the suitability of Quadrant's products in any given application.

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