DELRIN® CASE STUDY

Delrin® – for Hydraulic Guide Rings

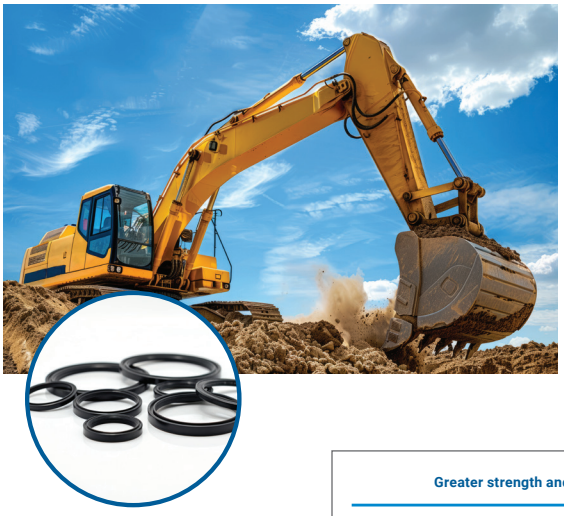
Delrin® provides long-term structural integrity and dimensional stability for guide rings.

General Information:

Delrin® acetal homopolymer (Polyoxymethylene POM) has the required mechanical properties to ensure long-lasting performance in these highly demanding applications.

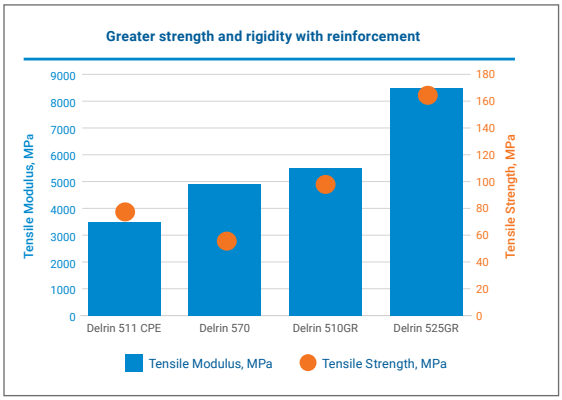
As a lightweight and cost-effective alternative to metal, Delrin® combines low-friction and high-wear resistance with stable dimensions and chemical resistance - across a wide temperature range.

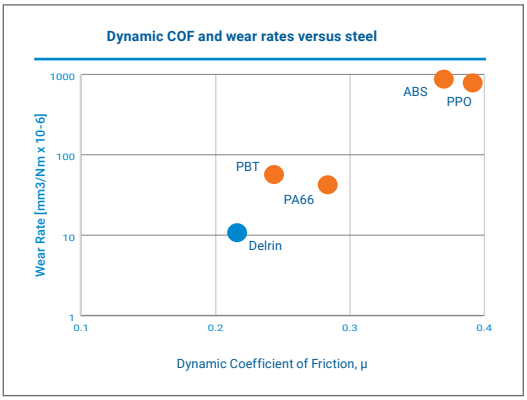
Customers select glass-filled Delrin® to maximize strength and rigidity, ensuring these guide rings meet the demands of a variety of heavy-duty hydraulic systems.



Why Delrin®?

- Long-lasting resistance to radial loads due to high stiffness and creep resistance
- Long-term dimensional stability with minimal humidity absorption
- Excellent part precision during processing to achieve tight tolerances
- Good resistance and stability in the presence of hydraulic oils
- Consistent performance across a broad range of temperatures (from -40 to 110°C)
- Easy sliding for greater efficiency and reduced wear to extend service life





Delrin's adaptability empowers engineers to create innovative solutions across a wide range of applications, pushing the boundaries of design freedom.

Delrin – Engineering the Future, Together

To learn more, contact your Delrin representative or visit Delrin.com.

Delrin® is an industry-leading premium industrial polymer business. Grounded in strong innovation, Delrin is a category creator with a longstanding reputation for quality, reliability, supply and product performance. The iconic Delrin brand, coupled with proprietary technology and deep application expertise, make us a leader in the high-end engineering polymer market. Delrin has exciting growth prospects from exposure to automation, actuation, healthcare, mobility and consumer applications.

Copyright 2025 Delrin®