

Rulon® LR Delivers for Surface-to-Air Missiles

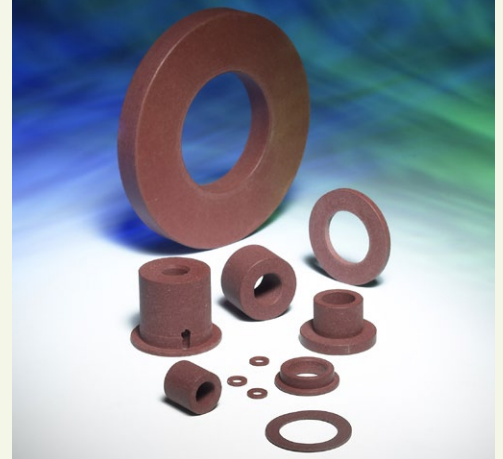
■ A partnership with TriStar gives you a competitive edge.



We were honored to recently collaborate with a military manufacturer in developing a host of new components to be used on a new surface-to-missile system. This particular system was designed for use aboard naval ships, and had many unique requirements that we were able to accommodate with Rulon LR bearings.

Plastic bearings excel in military applications, as they can easily withstand harsh combat terrain and the impact and vibration of an active battle zone. In the case of naval applications, plastic bearings also provide resistance to corrosive salt water and sea spray to give a longer service life and lower maintenance than metal bearings.

In this application, we replaced corroded metal bearings with versatile, [self-lubricating Rulon LR](#) throughout the missile control systems.



Why was Rulon LR the ideal choice?

- Able to withstand broad temperature conditions in field operations.
- Self-lubricating properties to reduce system friction levels.
- Extended service life, which is extremely important for missiles that can be stored for months or even years without activation.

Find out why leading [military contractors look to Rulon](#), TriSteel, [Ultracom](#) and other self-lubricating bearings for precision performance!

Learn more about Rulon:

- [Rulon LR Product Page](#)
- [Rulon Product Line Page](#)
- [Other Rulon Application Case Studies](#)
- [Rulon Materials White Paper](#)

We're ready to put our engineering expertise to work for you from prototype to production.

Engineering | Custom Fabrication | Manufacturing



CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



Ultracomp®

- Self-Lubricating
- High Load | Low Speed
- 54,400 PSI Compressive Strength
- Exceptional Resistance to Vibration and Impact



TriSteel™

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free



Rulon®

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant



Enhanced Materials Division

- Plasma Surface Treatment
- Specialized Primers & Coatings
- Material ID & Selection
- Process Engineering | Analysis & Testing



TriStar



Engineered Plastic Solutions™

tstar.com



1.800.874.7827