

Rulon J[®] vs. Teflon[®]: An Aerospace Application

■ A partnership with TriStar gives you a competitive edge.



Takeoffs and landings, friction and fatigue, these are just a few of the demands on aerospace bearings. Should you choose [Rulon J](#) or Teflon tape for this application? We tested both materials, and this is what we found.

A major manufacturer of helicopter components contacted us to improve the performance of the cowling rub strips on their helicopter body panels. The strips are riveted to the body panels of the copters, and are designed to stop the wear caused by engine vibration.

Virgin Teflon tape worked initially, but our client noted it would wear prematurely from the extreme friction that occurred over hundreds of takeoff and landing cycles. Each tape failure resulted more time in maintenance, and lost flight time.



Rulon J

Rulon J exceeded the application requirements

Rulon J provided the extended wear needed. It is a [reinforced material](#) that reduces friction and mates well with composites, 316 stainless steel, aluminum, mild steel and brass. Special fillers allow for superior tolerance of wide-ranging temperature conditions of a helicopter in flight.

As an added bonus, Rulon tape provides a better sound barrier against engine noise.

Choose Rulon J For...

- Abrasion resistance
- Lower maintenance
- Grease-free operation
- Reduction of stick/slip
- Good noise insulation

Do you know how to identify genuine Rulon from counterfeit? [Read our technical white paper to find out how!](#) Or [request a quote](#) for a custom width of Rulon J tape today!

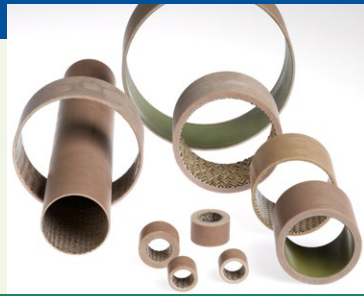
We're ready to put our engineering expertise to work for you from prototype to production.

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



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