

Rulon[®] for Mining Machinery: Low Maintenance and High Efficiency

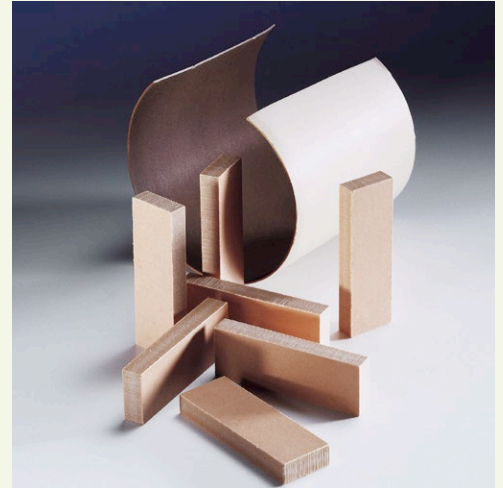


Mining puts undue stress on equipment bearings. Coal dust, crushing vibration and high temperatures all contribute to corrosion and eventual failure of bronze bushings. Not to mention the fact that bronze requires a regular lubrication schedule, which is inefficient in a remote underground environment.

Our client makes massive ore dryers measuring over 25' in diameter. The dryer drum is supported by long steel arcs which are fused together with over two dozen bearings.

When the lubricated bronze bearings rapidly wore from the abrasives and grease, they posed a serious risk to the integrity of the steel substrates. A sturdy, heat-resistant support bearing was needed to secure the oven substrates.

■ A partnership with TriStar gives you a competitive edge.



Rulon XL Bearings

Rulon XL seal substrates were the ideal material to resist the heat

This Rulon formula provides excellent sealability as well as excellent bearing properties against the steel mating surface. It also gives low deformation in high oven temperatures, and exceptional abrasion resistance to dust.

Rulon XL bearings have reinforced the dryer substrates without the need for regular maintenance or replacement, which has saved our client significant cost. Now that's efficiency!

Have you wondered which Rulon material could be the right fit for your bearing application?

Review the [Rulon Comparison Chart](#) to find the right formula for your needs.

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



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