

Bearings for Food Processing: Rulon[®] 641 is in Hot Oil

■ A partnership with TriStar gives you a competitive edge.



When a major producer of industrial frying equipment called with a special request for a hot-oil circulation pump bearing, we knew Rulon 641 would be the proven winner for this tough application. As a longtime partner with food processing and food packaging equipment makers, the TriStar team was able to quickly provide the stock material needed to keep the oil moving and the potato chips crisp!

Our client manufactures self-priming centrifugal pumps that are used to circulate hot oil in industrial fryers used to make potato chips and other snack foods. During a site visit, our client explained that the stainless steel seals they had installed were failing from the high temperatures of the oil; they could simply not tolerate the extreme heat.



The Solution

By replacing the stainless with Rulon 641, we helped our client increase the performance of the pumps. Rulon 641 is a filled PTFE material with origins in food processing, yet also has USP approval for use in sanitary medical applications.

Rulon 641 Delivers:

- Compatibility with stainless and aluminum hardware
- Sanitary, grease-free operation for hygienic conditions
- Medium load and speed requirements
- PV rating of 10,000
- Superior tolerance of harsh sanitation chemicals

Is Rulon 641 right for you? [Submit a design worksheet for a complimentary consultation!](#)

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



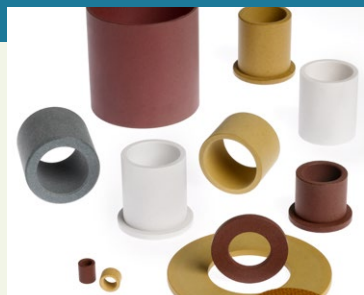
TriSteel[™]

- 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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