

# Rulon® 641: Temperature Tolerance for Food Processing



*Rulon 641 is FDA-cleared for use in food processing and packaging applications.*

*In the food processing and packaging industries equipment often operating in environments with strict regulations for quality, safety and sanitation.*

*Processing equipment must be of the highest quality and offer contamination resistance.*

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For more information about high-performance bearing materials in food applications, check out our free industry white papers:

- [Food Processors - Increase Safety and Production in Manufacturing](#)
- [Food and Beverage Packagers - Discover the Benefits of Composite and Polymer Bearings](#)

■ *A partnership with TriStar gives you a competitive edge.*



## The Challenge

A major food processor approached us seeking a replacement for their virgin-PTFE seals located on the miniature cryogenic valves of the fast-freeze systems.

The equipment is used to flash-freeze fruits and other foodstuffs. The PTFE seals were failing from exposure to the cryogenic temperatures and required frequent and expensive change out.

## The Results

Rulon 641 offered our partner a material with superior temperature stability and a longer lifespan for significant savings. Rulon 641 is non-abrasive for use against the systems' stainless mating hardware, and has maintained good sealability under difficult conditions.

Need help determining the right bearing for your specific application? Visit [www.tstar.com/ask-the-experts](http://www.tstar.com/ask-the-experts).

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<sup>®</sup>

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



## TriSteel<sup>™</sup>

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



## Rulon<sup>®</sup>

- 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<sup>™</sup>

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