

Rulon[®] 641: Super sterilization for medical manufacturing

■ A partnership with TriStar gives you a competitive edge.



Rulon 641

Rulon 641 has USP Class VI approval for medical applications.

TriStar has partnered with the manufacturers of surgical laser devices to replace failing PTFE valve seats with Rulon 641. Rulon excels in the rotary and oscillating movements required of this application and has a very low coefficient of friction and a superior wear factor.

The material can be lapped using standard procedures to produce extremely good surface finishes in precision valve seats. And the material's white, stain-resistant color indicates a sanitary compound for medical environments.

Is Rulon 641 the right material for your application? [Contact our Engineering Experts for a consultation.](#)

Rulon 641 has USP Class VI approval for medical applications

Rulon 641 is manufactured from FDA compliant materials which possess excellent load and wear characteristics.

It offers excellent, continuous non-lubricated service up to 10,000 PV – higher for intermittent service. While the load capacity of Rulon 641 is generally limited to 1,000 psi [6.9 MPa] at room temperature, deformation is a function of wall thickness, temperature and load.

Its compatibility with a wide array of mating surfaces, including mild steel, 303 and 316 stainless steels, as well as harder materials, make it a good choice for most pharmaceutical bearing applications.

Rulon 641 tolerates all standard CIP procedures required of the medical industry.

[Read our free Rulon White Paper to learn about the advantages of Rulon's processing controls.](#)

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



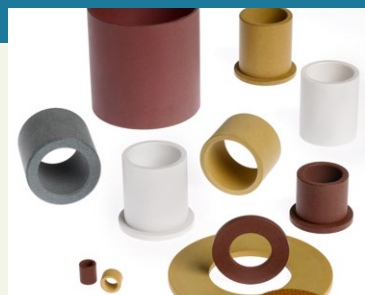
TriSteel[™]

- 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



Engineered Plastic Solutions[™]

tstar.com

1.800.874.7827