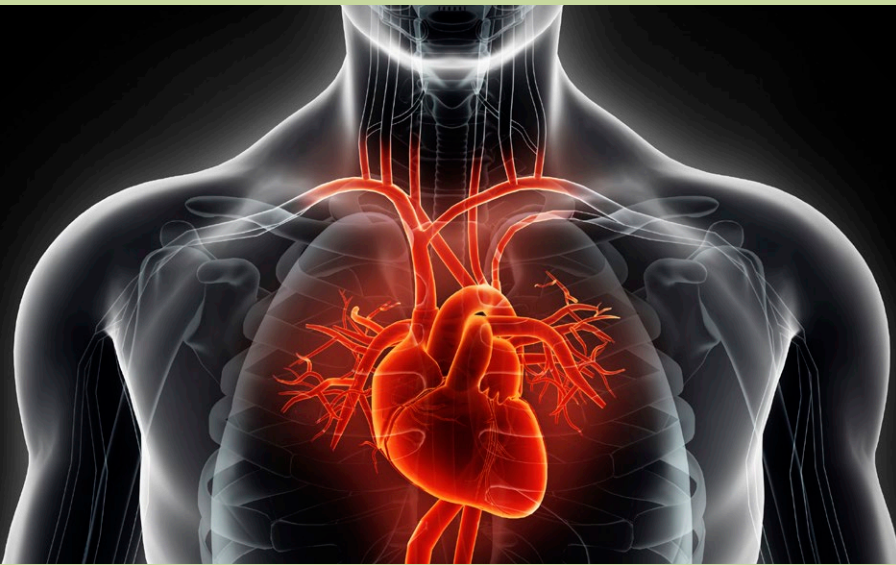


Rulon[®] 1439: Improving Blood Pump Designs to Reduce Patient Risk

■ A partnership with TriStar gives you a competitive edge.



Rulon 1439 Bearings

For years, hospitals have looked to traditional peristaltic pumps to manage patients' blood flow while in the OR. These devices collect and move blood by compressing tubing to form a hydraulic flow. The collected blood is then oxygenated and discharged back to the patient. While these devices have worked successfully, we're proud to partner with a company that is bringing blood circulation technology to the next level.

Our partner's advanced rotary pumps provide delicate handling of the blood's corpuscular components to reduce potential damage from air spikes. This approach also reduces the risk of catastrophic microembolus from forming. But to achieve optimal results, designers needed a FDA-certified bearing material between the pumps' shaft and housing.

Rulon 1439: a certified medical plastic

Our team recommended [Rulon 1439](#) as the answer to this delicate medical application.

[Rulon 1439 boasts FDA and USPVI compliance](#) for direct contact with human blood and tissue. It offers good tolerance for a superior fit at the shaft. Plus, Rulon 1439's low-friction properties allow the pumps a smooth start and operation. The material also remains stable during pre-op and post-op sterilization procedures.

By working with TriStar, the official distributor of Rulon products, our partner was guaranteed [genuine Rulon materials for their application](#).

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



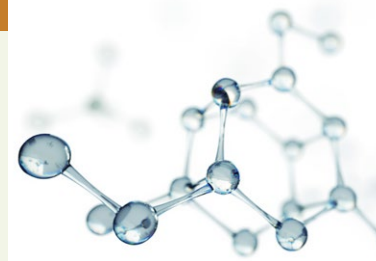
Rulon[®]

- 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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