

Material Solutions for High-Speed Dairy Equipment

■ A partnership with
TriStar gives you a
competitive edge.



Manufacturers of dairy equipment are constantly looking for possibilities to increase production speed and hence for wear and temp resistant materials.

Higher sanitation needs result in the use of a high concentration of cleaning agents. The materials used in dairy equipment need to comply with 3-A Sanitary Standards.

QEPPE has a wide range of material solutions to address these demands. Our high performance plastics are designed for self-lubricating situations. They are resistant against plenty of cleaning agents.

The result is less downtime, less maintenance and improved performance. Our portfolio of Food Grades are pre-qualified food compliant materials, cutting costs and saving time.



ERTALYTE and TIVAR are registered trademarks
of the Quadrant group of companies.

www.tstar.com

TIVAR® H.O.T Milkshake filling & packaging chain guider



Challenges: The chain guider should assure a smooth sliding of the chain and therefore needs to offer excellent wear resistance towards the chain. To assure better cleaning, the temperature during cleaning has been increased. The material solution should meet all these requirements.

Solution: A housing of TIVAR H.O.T was selected for its excellent wear resistance combined with a superior temperature resistance compared to regular PE-UHMW.

Benefits: Excellent resistance against cleaning chemicals and food contact compliant composition according to 3-A Sanitary Standards for Multiple-Use Plastic Materials, Number 20-24 resulting in time savings during food compliance certification process of the equipment.

ERTALYTE® Buttermilk filling piston



Challenges: A piston is used to pump a milk-based liquid into the bottles. It is sliding along the cylinder walls and also has the function of sealing during the dosing process.

Solution: ERTALYTE was chosen for this application because it offers an excellent dimensional stability combined with good wear resistance.

Benefits: When using ERTALYTE there is no additional need for external lubrication. ERTALYTE has a food compliant composition according to EU directive 2002/72/EC and 3-A Sanitary Standards for Multiple-Use Plastic Materials, Number 20-24. This is shortening the compliance certification process, saving costs and increasing productivity.

1-800-TriStar [874-7827]

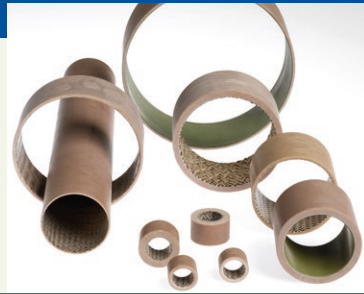
We're ready to put our engineering expertise to work for you from prototype to production.

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
- Asymmetric & Symmetric Filtration Membranes
- Specialized Primers & Coatings
- Material ID & Selection



TriStar



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