

Superior Suspension with Ultracomp Bearings for Racing



TriStar Plastics has designed automotive bearings for F1, off road, NASCAR and even recreational sport vehicles. While each of these are uniquely different in design and require different levels of performance, they all have one thing in common – suspensions.

That's where TriStar's [Ultracomp](#) automotive bearing materials deliver best. All suspension components are exposed to impact and vibration, plus friction and high-compressive forces. Ultracomp bearings easily tolerate all of these conditions without deformation.

*The material distributes loads **equally around the entire bearing** instead of only at the point loads to last longer than conventional metal bearings. Friction coefficients can run as low as 0.02 depending on loads and speeds.*

www.tstar.com

■ A partnership with TriStar gives you a competitive edge.



Ultracomp Bearings



Ultracomp - Options for best performance and a longer service lifetime

Worried about crack propagation that is common to many thermoplastics? Not a concern here. This [automotive](#) bearing will tolerate vibration, plus resist wet conditions, mud, dust, road ballast and other hazards of a professional racing track.

Consider the possibilities:

- UC 200: polyester/graphite composite
- UC 300: polyester/PTFE composite
- UC 400: polyester/MOS₂ composite
- UC 500: blended fiber/graphite composite

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
- Specialized Primers & Coatings
- Material ID & Selection
- Process Engineering | Analysis & Testing



TriStar



Engineered Plastic Solutions[™]

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