

# TriStar



Engineered Plastic Solutions™

Engineering | Custom Fabrication | Manufacturing

## Ultracomp® UC600FP

### Technical Specs

Property	ASTM Method	Unit	Value
Specific Gravity	D792	g/cc	1.25
Tensile Strength	D4894	psi	8,000
Hardness	D2240	Rockwell	R100
Compressive Strength - Perpendicular Parallel	D695	psi psi	48,000 18,000
Shear Strength	D732	psi	12,500
Notched Impact Strength	D256 A	ft.lb/in of notch	>20
Co. of Thermal Exp. (x 10 <sup>-5</sup> ) (MD/CD)	D696 -40 to +300F	in/in/°F	3.3-6.24
Limiting PV		psi/fpm	25,000
Coefficient of Friction	Dynamic	(Dry)	0.04-0.10
Water Absorption 24 hrs Immersion Saturation	D570	%	0.01 0.01
Operating Temperatures		°F	-350 to +300
Color			Yellow/Brown

### Product Description

**Ultracomp UC600FP** is made from a woven polyester fiber reinforcement and thermoset synthetic binders formed into sheets and tubes. The **UC600FP** has an additional extremely low friction liner for applications where high loads and low friction are combined. The resin system also includes PTFE and an abrasion resistant additive for additional long life application. **UC600FP** is available in 24 x 48 sheets up to 4" thick and tube sizes up to 40" OD.

For more information on application contact TriStar Plastics Corp. at 1-800-TRISTAR or via our website at [www.tstar.com](http://www.tstar.com).

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

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## 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



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[tstar.com](http://tstar.com)

1.800.874.7827