



Engineered Plastic Solutions™

Engineering | Custom Fabrication | Manufacturing

## Ultracomp® L8 [ACML8]

### Technical Specs

Property	ASTM Method	Unit	Value
Specific Gravity	D792	g/cc	1.30
Tensile Strength	D4894	psi	9,150
Hardness	D2240	Rockwell	R100
Compressive Strength	D695 (perpendicular load) (parallel load)	psi psi	55,000 20,000
Shear Strength	D732	psi	14,500
Notched Impact Strength	D256 A	ft.lb/in of notch	>10
Co. of Thermal Exp. (x 10 <sup>-5</sup> ) (MD/CD)	D696 -40 to +300F	in/in/°F	4-10
Coefficient of Friction	Dynamic	(Dry)	0.10 – 0.15
Water Absorption	D570	%	
24 hrs Immersion			0.01
Saturation			0.01
Operating Temperatures		°F	-200 to +360
Maximum PV		psi/fpm	20,000

### Product Description

**Ultracomp L8** is a blend of polyester resins and fibers with PTFE lubricants and is primarily used for high load, low speed bearing applications where very low, unlubricated friction is required. **L8** has very high compressive strength, excellent impact strength and near-zero water absorption.

For more information 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



TriStar



Engineered Plastic Solutions<sup>™</sup>

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

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