



Engineered Plastic Solutions™

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Ultracomp® UC300AR

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	45,000 14,000
Shear Strength	D732	psi	12,500
Notched Impact Strength	D256 A	ft.lb/in of notch	>20
Co. of Thermal Exp. (x 10-5) (MD/CD)	D696 -40 to +300F	in/in/°F	3.3-6.24
Limiting PV		psi/fpm	25,000
Coefficient of Friction	Dynamic	(Dry)	0.08 – 0.15
Water Absorption 24 hrs Immersion Saturation	D570	%	0.01 0.01
Operating Temperatures		°F	-350 to +340

Product Description

Ultracomp UC300AR is made from a woven polyester fiber reinforcement and thermoset synthetic binders formed into sheets and tubes. The added lubricant is PTFE which is compatible with salt and fresh water environments with no galvanic reactions, can run dry and offers maintenance free operation. There is also an abrasion resistant additive to improve wear properties in applications with high contamination levels, grit, dirt and other harsh environments. **UC300AR** is available in 24 x 48 sheets up to 4" thick and tube sizes up to 40" OD.

For more information contact TriStar Plastics Corp. at 1-800-TRISTAR or via our website at 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[®]

- 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



TriStar



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