

TriStar



Engineered Plastic Solutions™

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Ultracomp® UC200

Technical Specs

Property	ASTM Method	Unit	Value
Specific Gravity	D792	g/cc	1.35
Tensile Strength	D4894	psi	17,500
Hardness	D2240	Rockwell	R106
Compressive Strength	D695 (perpendicular load) (parallel load)	psi psi	54,400 22,000
Compressive Modulus	D695	psi psi	750,000 Perp. 800,000 Parallel
Flexural Strength	D790	psi	13,500
Flex Modulus of Elasticity	D790	psi	534,000
Shear Strength	D732	psi	19,000
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	6.24-3.30
Limiting PV		psi/fpm	25,000
Coefficient of Friction	Dynamic	(Dry)	0.15
Water Absorption 24 hrs Immersion Saturation	D570	%	0.01 0.01
Operating Temperatures		°F	Cryo to +266

Product Description

Ultracomp UC200 is a blend of polyester resins and fibers with graphite lubricants and is primarily used for oscillating/low speed and high load bearings. **UC200** has very high compressive strength, excellent impact strength and near zero water absorption. For more information on application 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



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