



Engineered Plastic Solutions™

Engineering | Custom Fabrication | Manufacturing

Ultracomp® UC200FR

Technical Specs

Property	ASTM Method	Unit	Value
Specific Gravity	D792	g/cc	1.81
Tensile Strength	D4894	psi	17,000
Hardness	D2240	Rockwell	R108
Compressive Strength	D695 (perpendicular load) (parallel load)	psi psi	64,600 26,200
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	2.6-4.1
Coefficient of Friction	Dynamic	(Dry)	0.12-0.18
Water Absorption	D570	%	
24 hrs Immersion			0.01
Saturation			0.01
Operating Temperatures		°F	-200 to +300

Product Description

Ultracomp UC200FR is a blend of polyester resins with FR additives and graphite lubricant. It is primarily used for bearing applications where extreme loads and low speeds are encountered. **UC200FR** has very high compressive strength, excellent impact strength and near-zero water absorption. Meets ASTM and BSS standards for smoke, toxicity and flame regulations. 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



TriStar



Engineered Plastic Solutions[™]

tstar.com

1.800.874.7827