



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	D695	psi	45,000
Parallel		psi	14,000
Shear Strength	D732	psi	12,500
Notched Impact Strength	D256 A	ft.lb/in of notch	>24
Co. of Thermal Exp. (x10 ⁻⁵) (MD/CD)	D696 -40 to +300°F	in/in/°F	3.3 - 6.24
Limiting PV		psi*fpm	25,000
Max P Static		psi	45,000
Max P Dynamic		psi	11,500
Max V No Load		fpm	150
Coefficient of Friction	Dynamic	(Dry)	0.06 - 0.15
K Factor (x10 ⁻¹⁰)		in ³ -min/ft.lbs.hr	8
Water Absorption	D570	%	
24 hrs Immersion			0.01
Saturation			0.01
Operating Temperatures		°F	-350 to +340
Compressed Load Applied Normal to Laminate (Young's)		MPa	1600
Poisson's Ratio			0.4
Color: Red			

Product Description

Ultracomp UC300AX is made from a woven vinyl ester resin with PTFE solid lubricant and a proprietary anti-abrasion additive for longer wear life. The added lubricant is compatible with salt and fresh water environments with no galvanic reactions, can run dry and offers maintenance free operation. It also has the ability to perform in service where there are applications with high contamination levels, grit, dirt and other harsh environments.

UC300AX is available in sheet and tube.



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

Engineering | Custom Fabrication | Manufacturing



CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



Ultracomp[®]

- Self-Lubricating
- High Load | Low Speed
- High Compressive Strength
- Vibration & Impact Resistance



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



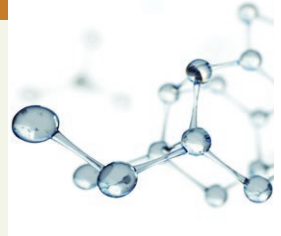
Meldin[®]

- High Performance Materials
- High Temp Dimensional Stability
- Chemical Resistance
- Withstands Thermal Shocks



Enhanced Materials

- Plasma Surface Treatment
- Filtration Membranes
- Specialized Primers & Coatings
- Material ID & Selection



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