

REDCO™

ACETAL

**HUGE INVENTORY
OF SHEET &
ROUND BAR**

- **EASILY MACHINED**
- **QUICK DELIVERY**
- **FDA APPROVED**
- **LARGE INVENTORY**

Redco™ Acetal brings together the benefits of strength, stiffness, low coefficient of friction, and dimensional stability providing a versatile and easily machinable material that exceeds the life of many parts that are traditionally metal.

Suited for a variety of industries and applications, Redco™ Acetal acts as an electrical insulator, is FDA Approved for food applications, and is an excellent material for use in applications requiring close-tolerances.

To minimize delivery times and meet design configurations, Redwood Plastics stocks a broad array of Redco™ Acetal sheet and round bar. Custom colors and sizes are also available upon request.

Call Us Today to Ensure the Most Optimal Material is
Used for Your Application.

STOCKED



**REDWOOD
PLASTICS**
CORPORATION

INNOVATIVE SOLUTIONS IN PLASTIC

CONTACT US TODAY
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US 1 866 733 2684
www.redwoodplastics.com

SINCE 1971

Properties*

Property	Test Method	Units	Acetal Copolymer UNITAL C and C BK
			Unfilled Copolymer
Specific Gravity	ASTM-D792	---	1.40
Tensile Strength	ASTM-D638	psi	9,000-10,200
Tensile Elongation	ASTM-D638	%	30-60
Tensile Modulus of Elasticity	ASTM-D638	psi	400,000
Flexural Strength	ASTM-D790	psi	12,000
Flexural Modulus of Elasticity	ASTM-D790	psi	366,000
Compressive Strength	ASTM-D695	psi	15,000
Izod Notched Impact	ASTM-D256	ft.-lb./in.	1
Rockwell Hardness	ASTM-D785	M scale	M90

*Courtesy of Nytef Plastics

Machining Guidelines

- The highest possible cutting speed should be chosen.
- Optimum chip removal must be ensured so that the chips are not drawn in by the tool.
- The tools that are used must be very sharp. Blunt tools can cause extreme heat, which results in deformation and thermal expansion.
- The clamping pressures must not be too high as this would result in deformation of the workpiece and the clamping tool would leave marks in the workpiece.
- Because of the low degree of stiffness, the workpiece must be adequately supported on the machine table and should lie as flat as possible.
- Perfect, high quality surfaces can only be obtained when the machines operate with low vibration.

Contact Your Local Representative Today

CUSTOM DESIGN AND FABRICATION

Redwood Plastics has designed and fabricated a variety of solutions to shock, abrasion, noise, wear and friction to many industries, resulting in increased production, decreased maintenance costs and decreased down time, adding to your bottom line.

www.redwoodplastics.com

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Printed in Canada



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