



Redco™ Acetal

HUGE INVENTORY OF SHEET AND ROUND BAR

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

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Redco™ Acetal brings together the benefits of strength, stiffness, a 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 and Rubber stocks a broad array of Redco™ Acetal sheet and round bar in both white and black. Custom colors and sizes are also available upon request.

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



CAN **1.800.667.0999**
USA **1.866.733.2684**

Properties

Property	Test Method	Units	Acetal Copolymer
			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

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.

Custom Design and Fabrication

Redwood Plastics and Rubber 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.



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