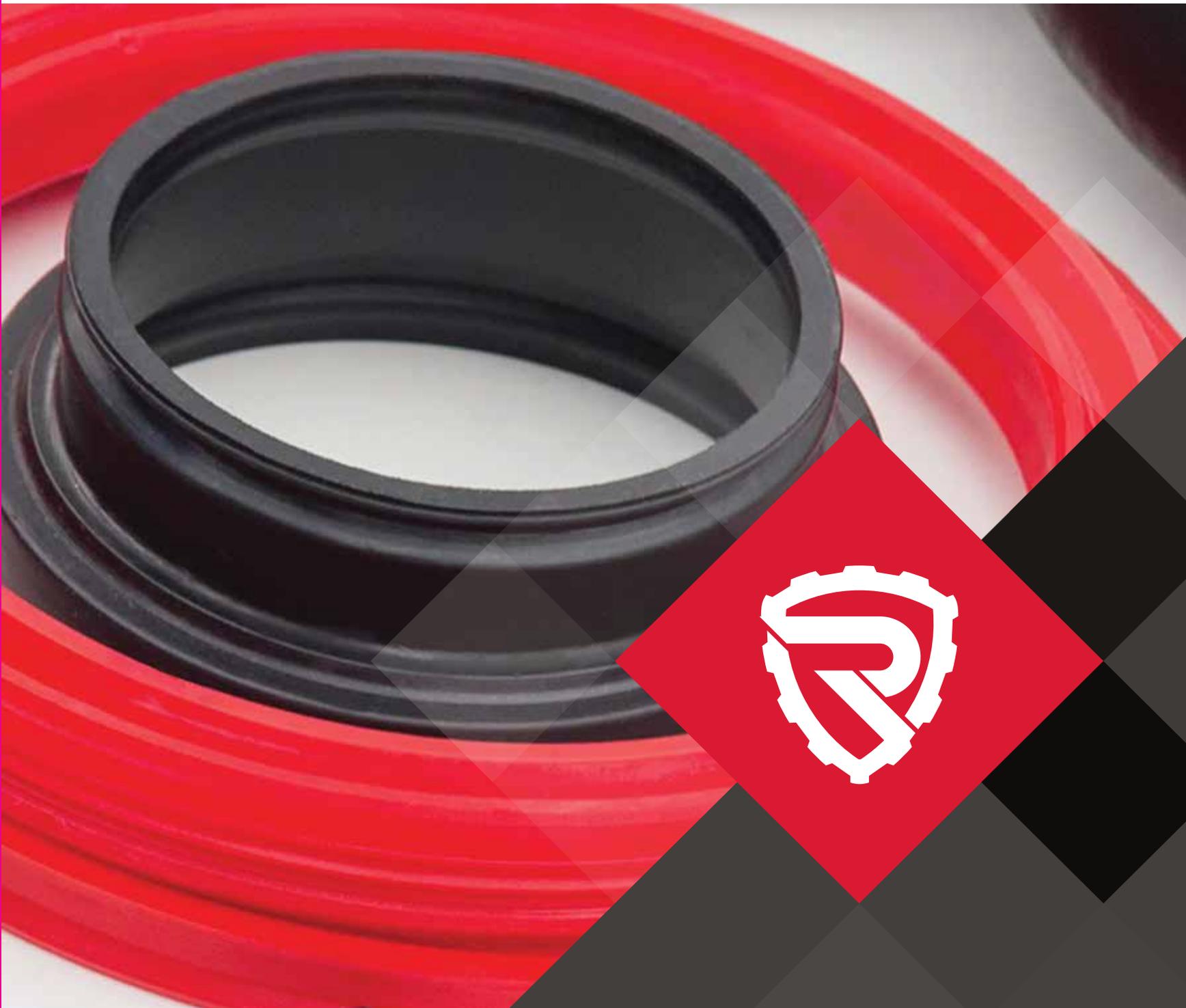




REDWOOD
PLASTICS AND RUBBER



REDCO™ UHMW

ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE

With a low coefficient of friction, superior abrasion and corrosion resistance, Redco™ UHMW has been proven to outlast mild and hardened steel by as much as 10 to 1.

Redco™ UHMW is ideally suited for a variety of applications to remedy material hang-up and accelerated wear due to abrasion or corrosion. It also has no moisture absorption.

In addition to our virgin grade, which is FDA approved, we also offer the following specialty grades:



THE ULTIMATE ARMOR - Specially formulated to be the slickest, strongest, and toughest UHMW. Offering the lowest coefficient of friction, excellent dimensional stability, and impact resistance.



An environmentally friendly plastic for wear parts and components. An amazingly tough material with a low coefficient of friction, wear resistance, and impact strength.



PULP SAFE - Metal filled UHMW offering superior abrasion resistance, with improved dimensional stability and the highest load bearing capability of any UHMW.

Other Redco™ UHMW Specialty Grades:

Redco™ Tivar®* (Dryslide, H.O.T, Burnguard™*, Tivar88®*, Ceram P), Redco™ X-Static, Redco™ Matrox™**, Redco™ Polystone®**, Redco™ HiViz and Redco™ Rocketplate.

Other materials available: HDPE (High-Density Polyethylenes), LDPE (Low-Density Polyethylenes) and Polypropylene.

*TIVAR and Burnguard are registered trademarks of the Quadrant Group of Companies.

**Matrox and Polystone are registered trademarks of Röchling Engineered Plastics.



Increase the Life of Your Equipment

REDCO™ POLYURETHANE

Redco™ Polyurethane offers remarkable abrasion resistance and outstanding durability in shock, vibration, and impact applications, outlasting rubber and metal by up to 20 to 1.

With our extensive design capabilities and Redco™ Polyurethanes' ability to range in hardness from eraser soft to bowling ball hard, this material can be used for an infinite number of applications.



Redco™ DEADPLATE

MAXIMUM ENERGY ABSORPTION - A modified polymer with the lowest rebound characteristics of any polyurethane.

Redco™ SPS2000

KRAFT MILL PULP SAFE - Enhanced polymer that has improved sliding capabilities increasing product flow in material handling applications.

Redco™ 750XL & 750SXL

PREMIUM BEARING MATERIAL - Outperforms and outlasts conventional materials in bearing applications. (up to 2,500 P.S.I)

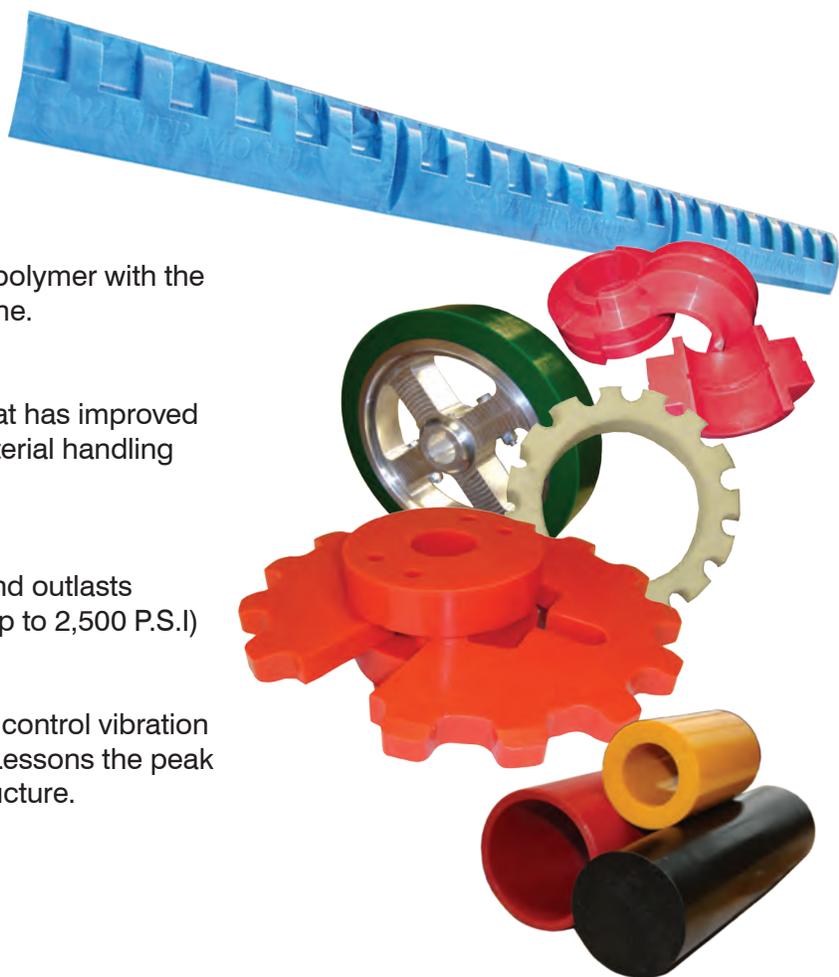
Redco™ S.V.I PADS

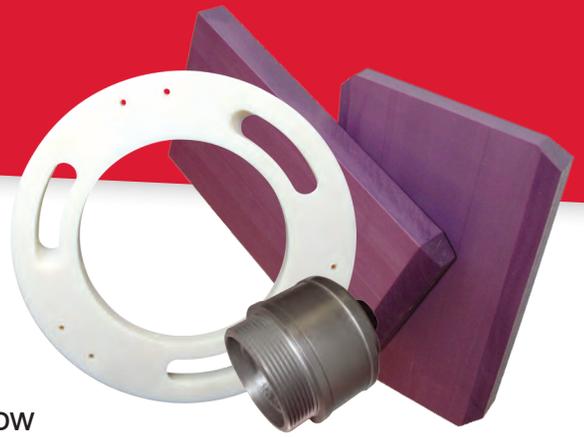
SHOCK, VIBRATION, ISOLATION - Developed to control vibration and impact to reduce noise and absorb energy. Lessens the peak forces or shock transmitted into a supporting structure.

REDCO™ RUBBER

Redco™ Rubber is available in a wide variety of grades for applications requiring excellent chemical resistance and superior tensile strength. Varieties include; Natural (NR), Styrene-Butadiene (SBR), Neoprene (CR), Butyl (IIR), Ethylene-Propylene-Diene (EPDM), Red Sheet Packing and Hypalon.

Processing techniques are available to mold, extrude, and cast to best suit your application.





REDCO™ NYLON

Offering high load bearing capabilities (up to 4000 P.S.I), Redco™ Nylon is light weight, and self lubricating with a low coefficient of friction.

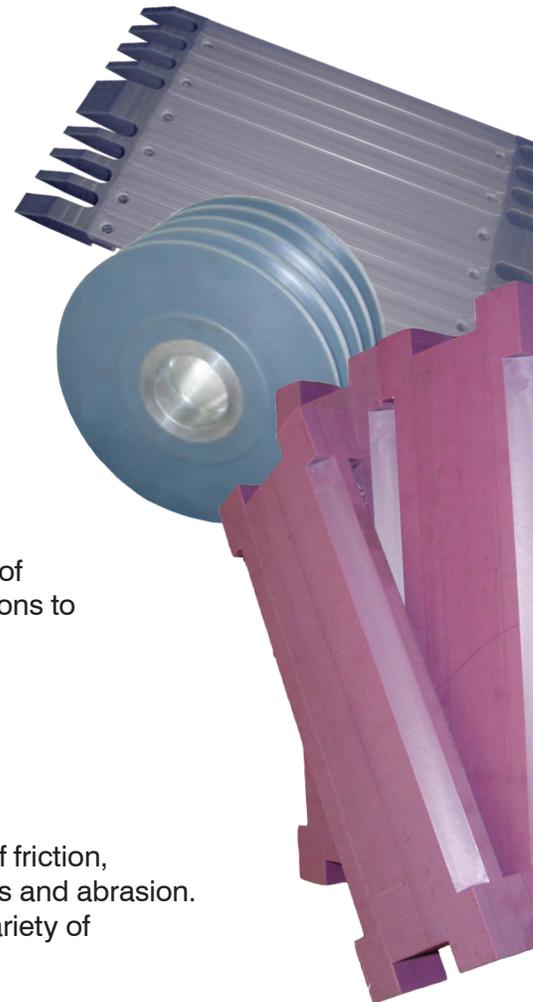
It is a diverse material that performs very well in applications where heat and load have caused other materials to crack or break. Redco™ Nylon has excellent durability and can also be formulated to withstand heat up to 260°F (128°C).

Redco™ Nylon is easily machined and is an outlasting, outperforming replacement for parts traditionally made of metal.



Redco™ NYLON PVM

SUPERIOR WEAR RESISTANCE - Redco™ Nylon PVM offers a very low coefficient of friction with superior wear resistance. It is often used for complex applications where a high PV (pressure-velocity) value is required and external lubrication is difficult or impossible.



TUFFKAST

Redco™ TUFFKAST

UNIQUE SHOCK RESISTANCE - Redco™ Tuffkast combines the high tensile and compressive properties of nylon with the impact and the wear resistance of polyurethane. Redco™ Tuffkast is available in both solid and oil filled formulations to suit a variety of aggressive industrial applications.



REDCO™ ACETAL

Redco™ Acetal is a semi-crystalline material renowned for its low coefficient of friction, zero moisture absorption, dimensional stability, and its resistance to chemicals and abrasion. Redco™ Acetal is easily machined with properties that remain constant in a variety of environments. It is especially ideal in wet applications.

Increase Production & Decrease Maintenance

REDCO™ LAMINATES HIGH PRESSURE COMPOSITES

Redco™ Laminates are the strongest and toughest materials in our product line. Redco™ Laminates have excellent compressive strength (up to 70,000 P.S.I.), incredible impact strength, and high load bearing properties.

Redco™ Laminates are available in many different grades and types with a variety of fillers including; glass, paper, cotton, melamine, silicone, and polyester.

REDCO™ PTFE

Redco™ PTFE offers outstanding properties making it the ultimate choice for a magnitude of applications. Redco™ PTFE has no water absorption and is self lubricating with excellent chemical resistance and high temperature tolerance (+500°F/260°C). It also has the lowest coefficient of friction of any other plastic variety.

Other materials available:

PVDF (Poly-Vinylidene Fluoride), Fluorosint, FEP (Fluorinated Ethylene Propylene), PCTFE (Polychlorotrifluoroethylene), and ECTFE (Ethylene-Chlorotrifluoroethylene). Custom filled materials are also available for enhanced physical properties.

REDCO
HIGH PERFORMANCE
PLASTICS

REDCO™ HIGH PERFORMANCE

Redwood Plastics distributes a wide variety of plastic grades to handle the most challenging applications. These plastics materials were developed for applications/ environments with high heat, heavy loads, and corrosive chemicals.

Materials Available:

Ultem®, Torlon®, Radel, Peek®, Ertalyte-tx
Fluorosint®, Duratron®, Celazole, Semitron®,
PC 1000, Polycarbonate, PVDF, Victrex® and Kytect.



REDCO™ CLEAR & TRANSPARENT SEE-THROUGH MATERIALS

See-through materials are available in dozens of types and grades. Materials such as Redco™ Acrylic and Redco™ Polycarbonate are available in both transparent, translucent, and tinted varieties.

Transparent materials are the best replacement for glass in applications where the material needs to remain completely clear. Translucent and tinted materials only show light and shadows. See-through materials are lightweight with outstanding weatherability, high impact resistance, excellent thermoforming, and good machinability. Redco™ High Performance fluoropolymers such as FEP also have excellent clarity.

REDCO™ ACRYLIC

REDCO™ ACRYLIC

Redco™ Acrylic is a product with outstanding optical clarity and weather resistance. It is also available in varieties that won't yellow with exposure to the sun. It can be fabricated into almost any form and is easily cut, drilled, cemented, polished, formed, or molded to the most exact specifications.

REDCO™ POLY CARBONATE

Redco™ POLYCARBONATE

Redco™ Polycarbonate is easily worked, molded, and thermoformed. It is widely used in modern manufacturing for many diverse applications. Features such as temperature resistance in hot and cold environments, impact resistance, and optical properties make Redco™ Polycarbonate the perfect choice for a number of industrial and commercial applications.

Redco™ FLEXIBLE VINYL (PVC - Polyvinyl Chloride)

Redco™ Flexible Vinyl brings solutions to a variety of installations. Heated or cooled air can be contained resulting in energy savings. Dust, dirt, and other contaminants also remain contained to create a safer and more productive work environment.



Endless Applications & Solutions

REDCO™ FRP FIBERGLASS REINFORCED POLYMER

Redco™ FRP provides durability with extremely high strength. It is corrosion resistant and non-conductive making it ideal for applications in damp environments or where an electrical current or chemicals (either acidic or caustic) may be present.

Redco™ FRP is a low maintenance, lightweight material with added UV resistance.

Redco™ FRP GRATING

Due to its high load capacity, Redco™ Fiberglass Grating can be used with confidence in applications where wide support spans are required. Redco FRP Grating is the preferred low maintenance, high strength flooring option for walkways, platforms, docks, trench covers, and stairs when compared with metal grating, for any location requiring a non-slip, chemical resistant, non-conductive walkway.

Grades Available:

DURADEK®, DURAGRID®, DURAGRID® Heavy Duty, DURAGRID® Phenolic, DURAGRATE® molded fiberglass grating, and DURATREAD™ molded fiberglass stair tread covers.

Redco™ FRP STRUCTURAL SHAPES

Redco™ EXTREN® is a proprietary combination of fiberglass reinforcements and thermosetting polyester or vinyl ester resin systems. Redco™ EXTREN® is produced in more than 100 standard shapes and all shapes have a surfacing veil to protect against glass fibers penetrating the resin surface while in service and to increase corrosion and UV resistance.

Grades available:

Series 500 (all purpose), Series 525 (fire retardant), and Series 625 (fire retardant and highly corrosion resistant).

Redco™ FRP WALL PANELS

Redco™ FRP textured wall panels are ideal for food processing plants, hospitals, restaurants, and even car washes. FRP sheet is easy to clean and keeps drywall from getting wet and damaged – no mold or fungus growth in wet environments.

DURADEK®, DURAGRID®, DURAGRID® Heavy Duty, DURAGRID® Phenolic, DURAGRATE® molded fiberglass grating, DURATREAD™, and EXTREN® are registered trade names of the Strongwell Corporation.



REDCO™ LINING SOLUTIONS

Redco™ Lining Systems promote reliable, steady bulk material flow, with durable materials that are impervious to abrasion, chemicals, and corrosion. Redco™ Lining Materials also have a low coefficient of friction with no moisture absorption.

Reduces or eliminates arching, ratholing, and erratic flow to get your materials moving. Lining applications are available for trucks, hoppers, bins, bunkers, chutes, silos, and many more.

Custom fabrication and “DROP IN” liners are available for easy installation.



Redco™ UHMW

Offers a combination of excellent machinability and low surface friction with outstanding wear and corrosion resistance. FDA & USDA approved, Redco™ UHMW reduces material hang ups and enhances material flow, increasing your production and your profits.

Redco™ POLYURETHANE

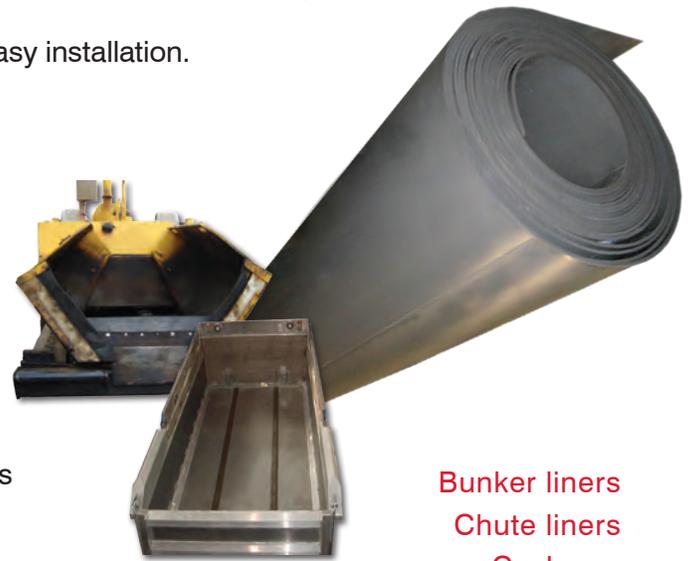
Designed for use in impact, abrasive, low temperature, and gritty environments – especially where impingement is involved. Redco™ Polyurethane is a material with elasticity and memory that is available in a large range of hardnesses. Ideal in locations where material impact and directional changes are causing excessive wear or material deflection is required.

Other materials available:

X-Static, Tivar® 88*, Tivar® 88-2*, Tivar Dryslide, Burnguard™*, Tivar® H.O.T, Tivar® Ceram P®, Quicksilver®, Redco™ Matrox™** and Durapro.

*Tivar, Quicksilver and Burnguard are a registered trademarks of the Quadrant Group of Companies.

**Matrox is registered trademark of Röchling Engineered Plastics.



- Bunker liners
- Chute liners
- Cyclones
- Railcar liners
- Off-Road truck beds
- Drag chain conveyor liners
- Dust collection hopper liners
- Front end loader bucket liners
- Screw conveyor liners
- Silo liners
- Storage bin liners
- Surge bin liners
- Transfer chute liners
- Truck liners
- Hopper liners
- Vibrating bin dischargers
- Vibratory feeder liners

Sheet Rubber

Redwood Plastics has a large selection of sheet rubber, including high abrasion resistance sheet rubber products.

Our AB-140 Red Pure Gum is formulated to successfully perform under the most severe conditions possible, our custom rubber formulations represent the ideal solution to mining, cement, concrete and aggregate sectors, in applications where extreme abrasion resistance is critical: linings (chutes, hoppers, cyclones, pipes, elbows), skirting, pulley lagging, scrapers, shaker screens, pads, sleeves and sand blasting curtains.

In addition, its noise abatement capabilities result in an improved working environment and increased productivity.

RUBBER GRADES AVAILABLE:

Redco™ Natural (NR)

Superior tensile strength, tear and abrasion resistance, rebound elasticity (snap), flexibility and adhesion to fabric and metal.

Redco™ Styrene-Butadiene (SBR)

Excellent tensile strength, abrasion resistance and flexibility.

Redco™ Neoprene (CR)

Very good resilience to weather, ozone, natural aging, and to alkalis and acids. Good resistance to flame, abrasion, and flex cracking. Our expert staff deals with sales of rare and unusual types of sheet rubber on regular basis.

Redco™ Nitrile (NBR)

Superior resistance to petroleum-based hydraulic fluids; wide range of service temperatures as well as very good resistance to alkalies and acids. Also available in Redco™ Neptune™ BLUE FDA approved grade.

Redco™ Viton (FKM)

General purpose grade with high temperature resistance and unmatched chemical resistance for gaskets, seals, washers and other applications.



Custom Manufacturing

SERVICES

Working in partnership with our customers, engineers, product and chemical manufacturers, we have brought cost savings to over 35 industries. Redwood Plastics will work with you through every stage of product development from initial concept to the finished part.

CUSTOM DESIGN & TOOLING

An integral part of our organization is the innovative, maintenance saving ideas, concepts, and Redco™ products that have been developed in partnership with our customers. With our experience combined with sophisticated software and other engineering programs, we can custom design and manufacture virtually any component.

FABRICATION & MACHINING

Every branch is equipped with a complete fabrication shop for single items or for large quantity runs.

Our equipment includes the latest CNC Machinery (mills, routers, and lathes) to produce in-house molds and precision finished parts requiring high tolerances.

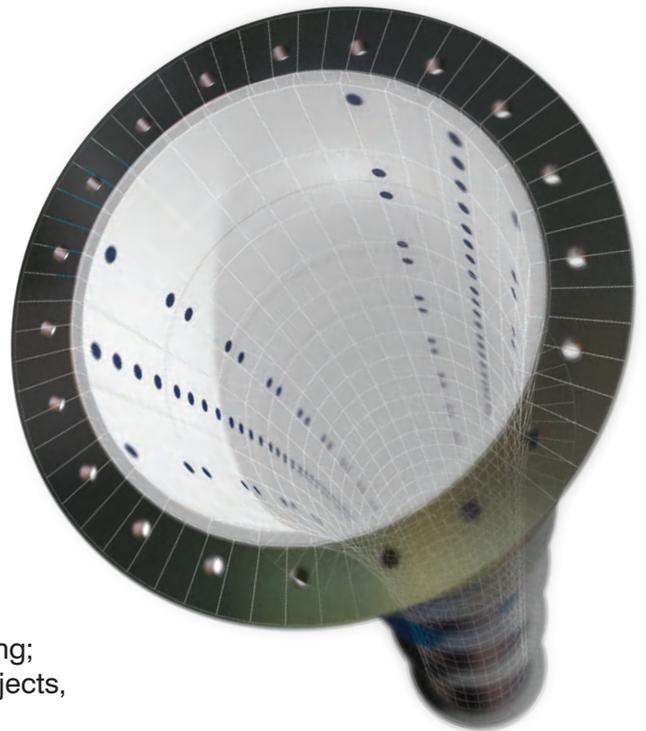
We can bend, form, cut, drill, or weld almost any plastic material to your application's specifications.

INSTALLATION

In partnership with our suppliers, we offer on-site support for the installation of plastic liners and FRP shapes and grating; including truck liners, hopper and chute liners, structural projects, and much more.

MOLDING & WELDING

There are many types of plastic materials that can be welded for repair or construction. Tanks, ducts, drip trays, and industrial piping systems, to name just a few. We represent manufacturers of nearly every type of custom molding & extrusion. We will work with you to ensure the most optimal material is utilized in your application to increase production and decrease downtime.





Redco™ Ethylene-Propylene-Diene (EPDM)

Excellent resistance to heat, ozone and sunlight; very good flexibility at low temperatures; superior resistance to water and steam. Also available in Redco™ Neptune™ BLUE FDA approved grade.

Redco™ Silicone

FDA silicone sponge and fabric-reinforced (tear-resistant) material. Also available in FDA approved grade.

Redco™ Red Sheet Packing

Commercial blend SBR for industrial gaskets.

Redco™ Chute Launder Lining

Chute lining service can be specified using any standard sheet rubber compound.

Redco™ C.I. Packing

A fabric reinforced sheet for use in applications where the stresses are generally static in nature.

Redco™ Diaphragm Sheet

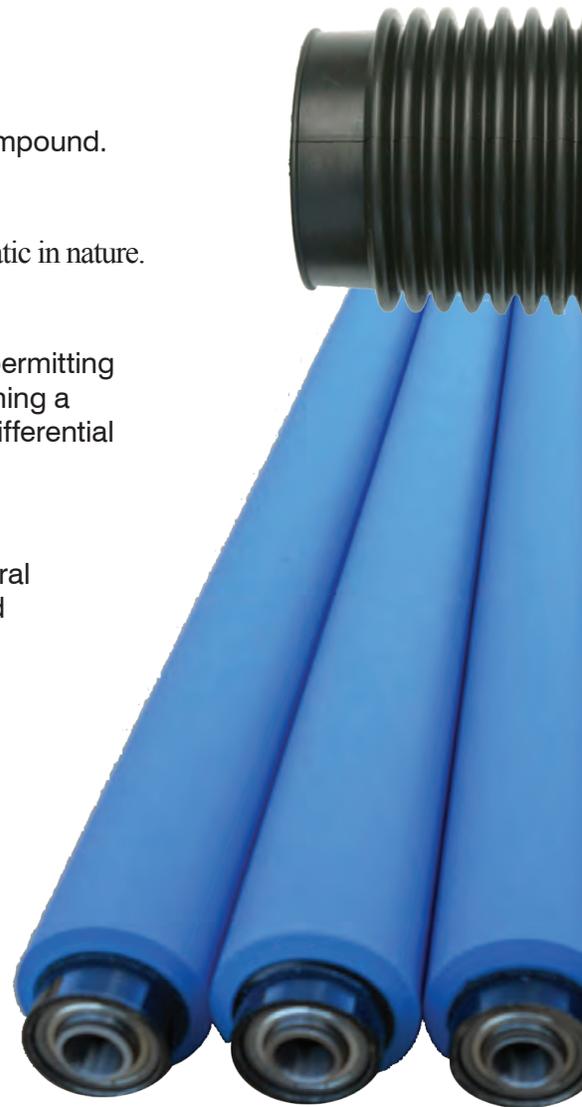
A flexible membrane with low permeability to fluids or gases. Capable of permitting relative motion between a stationary and a moving member while maintaining a separation of the two media on either side and may maintain a pressure differential between the two media.

Redco™ Safeguard™

Redco™ Safeguard™ is a lining material made from Premium Quality Natural Rubber that provides exceptional surface protection against corrosion and outstanding anti-abrasion properties. Redco™ Safeguard™ is the optimal choice in the mining, cement, concrete and aggregate markets, wherever abrasion and wear resistance is critical.

Redco™ Neptune™

Redco™ Neptune™ Blue Rubber sheet (Silicone, EPDM and Nitrile) is a FDA approved material that is easily identified in food and beverage processes and is a cost-effective way to increase safety and decrease costly contamination problems.



MAKE. CREATE. INNOVATE



REDWOOD
PLASTICS AND RUBBER

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