

REDCO™

POLYURETHANE



DECREASE DOWNTIME

ABRASION RESISTANT

REDUCE NOISE

ABSORBS IMPACT

MINIMIZE MAINTENANCE

OUTSTANDING DURABILITY



REDCO™ POLYURETHANE

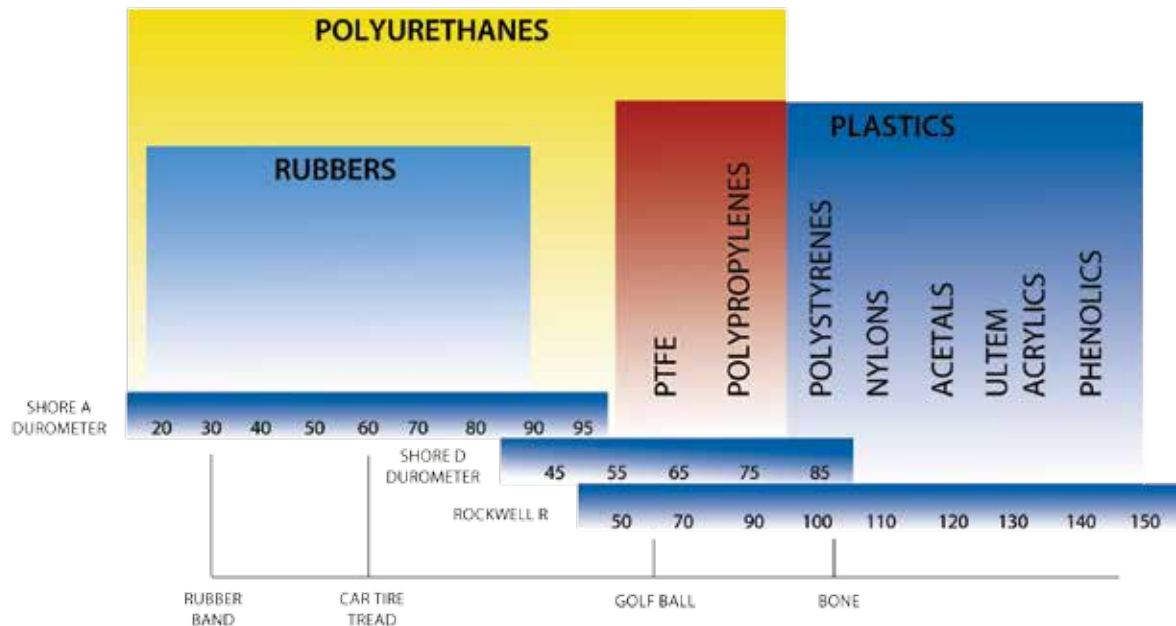
Redco™ Polyurethane offers strength and durability far beyond the range of most rubbers and other plastics, combining the toughness of metal with the elasticity of rubber. It has the ability to withstand severe abuse which saves downtime, replacement costs and minimizes maintenance.

Redco™ Polyurethane is available in a broad range of hardnesses, from eraser soft to bowling ball hard. We customize the material to specific applications without fillers or plasticizers.

In partnership with our manufacturing divisions we can mold, machine and fabricate a wide range of high quality, custom components that meet high tolerances and strict specifications. With our extensive experience we can solve many application frustrations related to wear, noise, impact and shock.

- Unlimited Custom Molded Shapes
- Outstanding Abrasion Resistance
- High Load Bearing Capability
- Exceptional Impact Strength
- Low Coefficient of Friction
- High Flexural Properties
- Oil & Solvent Resistant
- Resistant to Aging
- Resistant to Cold
- Heat Stabilized
- UV Stabilized
- Non Marking

HARDNESS COMPARISON CHART





REDCO™ DEADPLATE

Redco™ Deadplate was designed for maximum energy absorption, resulting in a material perfect for applications that require rebound to be eliminated.

DUROMETER HARDNESS RATING: 52A STANDARD COLOR: Light Blue

TYPICAL APPLICATIONS:
Impact and shock pads, etc.

REDCO™ 54A

A softer, pliable urethane that combines excellent memory and gripping characteristics with superior resistance to wear and tearing.

DUROMETER HARDNESS RATING: 54A STANDARD COLOR: Maroon

TYPICAL APPLICATIONS:
Dolly wheel tires, carry over tires, feed wheels, roll coverings, roll covers, shock and vibration pads, rollers, carry over wheels, etc.

REDCO™ 6060

This unique formulation is designed to withstand abrasion and deterioration in impingement applications.

DUROMETER HARDNESS RATING: 62A STANDARD COLOR: Dark Green

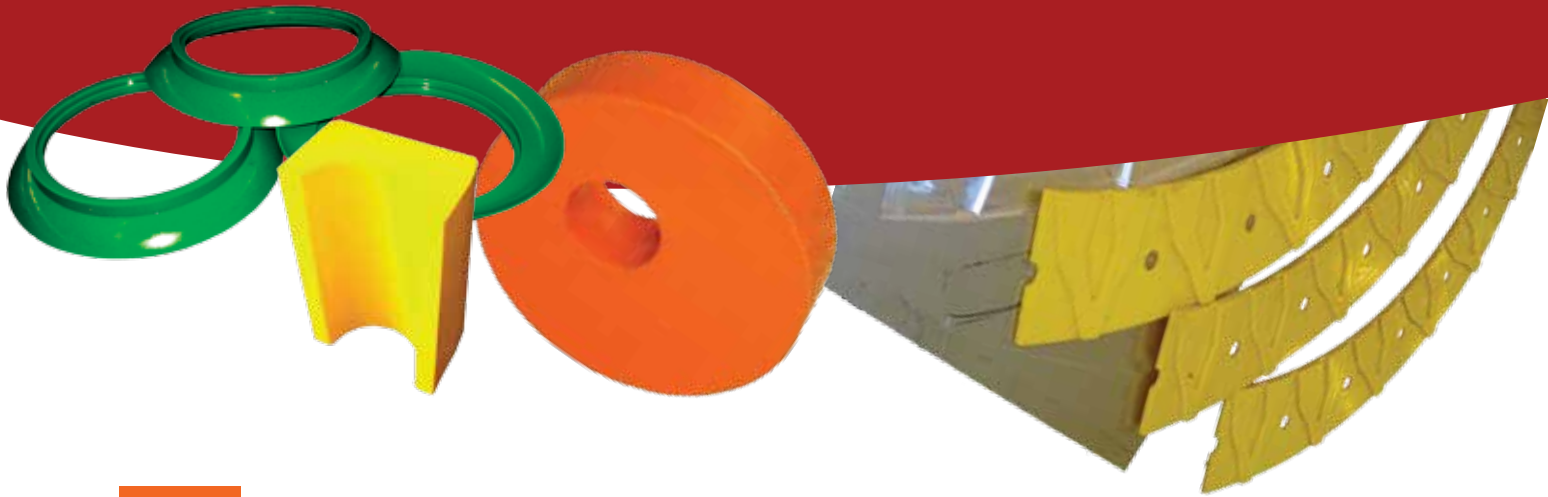
TYPICAL APPLICATIONS:
Impact wear liners, wear liners, etc.

REDCO™ 70A

Redco™ 70A offers high compression resistance and withstands heavier loads while maintaining gripping characteristics.

DUROMETER HARDNESS RATING: 70A STANDARD COLOR: Light Green

TYPICAL APPLICATIONS:
Packaging system parts, feed system parts, shock pads, springs, seals, shock and vibration pads, washers, etc.



REDCO™ 80A

More pliable than harder urethanes, Redco™ 80A possesses high shock and vibration tolerances resulting in a material ideal for a variety of applications.

DUROMETER HARDNESS RATING: 80A STANDARD COLOR: Orange

TYPICAL APPLICATIONS:

Shock and vibration pads, roll covers, flex couplings, wear parts, impellers, gate valves, flotation cell parts, valve seals, cable sheave liners, deflector plates, belt scrapers, seals, couplings, washers, impact wear pads, liner plates, pump liners, stabilizers, carry over wheels, feed wheels, etc.

REDCO™ 430

Our most commonly used material ideal for environments with shock, vibration and impact. Redco™ 430 also offers high abrasion resistance with superior impingement resistance.

DUROMETER HARDNESS RATING: 43D, 90A STANDARD COLOR: Yellow

TYPICAL APPLICATIONS:

Shock and vibration pads, roll covers, springs, cylinder cushions, carriage bumpers, cable sheave liners, deflector plates, impact wear liners, belt scrapers, seals, couplings, washers, cones, impellers, liner plates, pump liners, valve gates, stabilizers, desilter cones, cleaner cones, wear slides, etc.

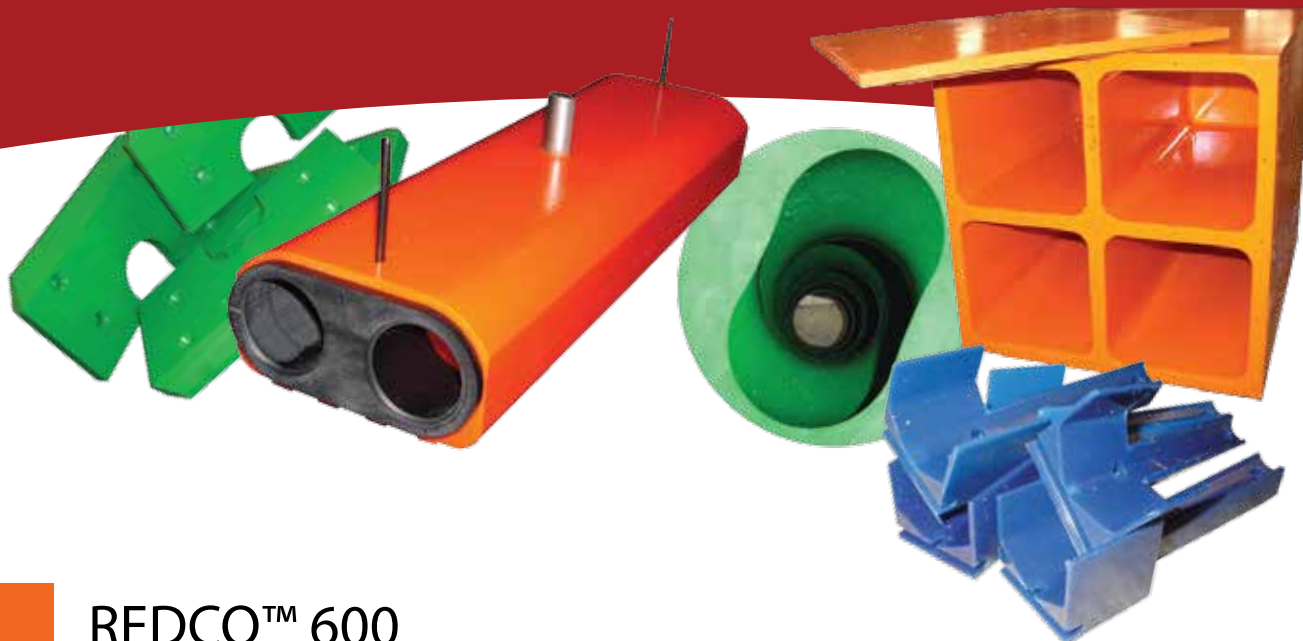
REDCO™ 500

An excellent shock absorber, Redco™ 500 combines the qualities of hard and softer urethanes with resistance impact and wear.

DUROMETER HARDNESS RATING: 50D, 95A STANDARD COLOR: Dark Blue

TYPICAL APPLICATIONS:

Shock pads, isolation pads, drive couplings and discs, wear plate, belt scrapers, deflector plates, roll covers, seals, rollers, couplings, washers, impact wear pads, liner plates, pump liners, valve gates, cleaner cones, sorter hooks, etc.



REDCO™ 600

Developed for applications where little or no deformation is desired. An excellent material for wear applications in extreme cold weather.

DUROMETER HARDNESS RATING: 60D, 60R STANDARD COLOR: Orange

TYPICAL APPLICATIONS:

Forklift tires, dolly wheel tires, washers, wear slides, etc.

REDCO™ EPICURE

Premium wear and abrasion resistant grade for extreme environments from -60°C (-76°F) to 105°C (221°F). Ideal for applications with impingement impact and/or abrasive materials.

DUROMETER HARDNESS RATING: 85A (custom durometers available) STANDARD COLOR: Yellow

TYPICAL APPLICATIONS:

Liners for pipe, pump, chutes & hoppers, impellers, wear-pads & bumpers (for lift trucks), spouts & nozzles, crusher & conveyor parts, agitators & mixer paddles, cable guides, screens, filters & classifiers, etc.

REDCO™ VYPER FRAS

Fire retardant and anti-static formulation designed for applications where exceptional wear and abrasion resistance is required due to shock, vibration and impact. Certified in accordance with MSHA IC-297.

DUROMETER HARDNESS RATING: Available from 85A - 75D STANDARD COLOR: Orange

TYPICAL APPLICATIONS:

Pulleys, belt scrapers and wipers, skirtboards, transfer chute liners, bearings, bumpers, chain flights, sprockets, cable crossover pads, etc.



REDCO™ 750

Redco™ 750 provides long lasting high abrasion resistance designed to replace brass or bronze with molding capabilities that give precise results without machining.

DUROMETER HARDNESS RATING: 75D, 90R STANDARD COLOR: Red

TYPICAL APPLICATIONS:

Bearings, bushings, wear plates, channel, liners, seals, hanger bearings, sprockets, rollers, drive wheels, washers, flotation cell parts, carry over wheels, feed wheels, sorter hooks, wear slides, etc.

REDCO™ 750 SXL

Designed for use in shock, sliding, low temperature and gritty environments. Redco™ 750 SXL has excellent self lubricating characteristics which make it ideal for applications which may experience dry running periods.

DUROMETER HARDNESS RATING: 75D, 90R STANDARD COLOR: Black

TYPICAL APPLICATIONS:

Bearings, bushings, wear plates, channel, liners, seals, hanger bearings, washers, liners, flotation cell parts, retainers, idler bearings, etc.

REDCO™ SPS-2000

Redco™ SPS-2000 is a PULP SAFE filled polyurethane wear material that was specially developed for sawmills and planer mills that are supplying fiber to kraft pulp mills. Redco™ SPS-2000 completely dissolves in the kraft cooking process with no possibility of pulp fiber contamination. Redco™ SPS-2000 also possesses good wear characteristics, a low coefficient of friction, high dimensional stability, abrasion resistance, load and impact strength and is unaffected by most oils, greases and solvents.

DUROMETER HARDNESS RATING: 75D, 90R STANDARD COLOR: Grey



OIL, GREASE AND CHEMICAL RESISTANCE
Resistant to a wide variety of chemicals and solvents.

FLEX PROPERTIES
Exceptional strength and toughness that will resist cracking under repeated flex despite cuts or nicks.



CONTROLLABLE REBOUND OR RESILIENCE
Unlike rubber, Redco™ Polyurethane is available with a very wide range of hardnesses to control or eliminate rebound.

COEFFICIENT OF FRICTION
Higher durometer grades have the lowest coefficient of friction, ideal for applications requiring impact resistance.

LOW TEMPERATURE PROPERTIES
Redco™ Polyurethane remains remarkably flexible in cold environments.

HEAT RESISTANCE
Resistant to dry intermittent temperatures of up to 250°F.



WATER RESISTANCE
Very low absorption rate of .3 to 1% of weight. Resistant to the swelling and deteriorating effects of water.

ELECTRICAL PROPERTIES
Excellent insulating properties.

OXYGEN AND OZONE RESISTANCE
Virtually immune to several hundred hours of attack by normal atmospheric concentrations.



FLAME RESISTANCE
Many grades are ASTM D-635 compliant and are self-extinguishing. Special compounds are available where a completely non-burning material is required.

MOLD, MILDEW, FUNGUS RESISTANCE
Highly resistant to fungus, mold and mildew growth.

MACHINABILITY
Harder urethanes grades can be machined, drilled and tapped.



BONDING TO OTHER MATERIALS
Redco™ Polyurethane can be bonded to a wide variety of materials. High strength bonds can be obtained to most metals, wood and many plastics including; PVC, Nylon and PTFE.

CUSTOM DESIGN & FABRICATION AVAILABLE

Please refer to our website for a full list of services as well as physical properties and material specifications.

For more information on Redco™ products please call:
CDN 1 800 667 0999 USA 1 866 733 2684

sales@redwoodplastics.com
www.redwoodplastics.com



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