



Flexible Solutions with Engineered Elastomers

Molded & Vulcanized Rubber

Known for its elasticity, anti-vibration and abrasion properties; Industrial rubber is compression molded to make an almost infinite variety of mechanical parts, from washers & bushings to molded boots, mounts & springs.

Cast Polyurethane

Polyurethanes can outperform traditional wear materials up to 8x longer due to their extraordinary physical properties. From just a few grams up to castings exceeding 1,000kg's; parts of almost unlimited size and complexity can be achieved for products such as chute-liners, wheels, beltscrapers, anti-vibration bumpers and pump impellers.

Sheet Rubber (Roll & Cut-to-size)

Provided as full-rolls or take advantage of our cut-to-size service, we provide blocks, sheets, strips and other custom cut shapes of rubber sheet. Available in 27 different materials, we offer elastomer sheet for every application from an extensive sheet inventory.

Seals & Gaskets

Gasket and seal solutions including; metallic gaskets, non-asbestos, compressed fibre, PTFE and rubbers in a full range of standard ANSI flange sizes and pressures, manufactured with a precision CNC Flash Cutting Machine.

Pulleys, Wheels & Rollers

For new parts or alternatives to OEM replacement of rubber coverings and lagging; we offer cost effective alternatives in high wearing coatings to re-coat and re-cover your metal cores. Forestry, Digital Printing, Industrial processing and conveying are typical applications.

Matting

All matting can be supplied in full roll, sheet and tile format, as well as custom fabricated, bonded or cut-to-fit complex floor geometries.

Elastomeric Bridge Bearings

Engineered load bearing pads in a variety of configurations for Bridges, Structures & Equipment. Plain, Reinforced & bonded to steel. MOHT testing upon request with AASHTO and CAN/CSA-S6 compliance.

Extruded Profiles

A wide range of rubber materials are extruded in both standard and custom profiles for sealing, edge-protection and weather-stripping. Custom dies can be made to your spec for innovative new extrusion requirements.

Rubber Bonded to Metal

Offering both hot-vulcanizing and cold bonding of rubbers to metals for liners, impact pads, wear-bars, concentrators, chemical tanks and pipe fittings.

StrongBond™ (chloroprene adhesive) for cold vulcanizing is also available.

PTFE Slides, Seals & Bearings

Commonly used for its exceptional coefficient of friction and chemical resistance, we bond PTFE to stainless steel, rubber or other substrates as well as offer machined components for every application. We also offer machined metal components to complement the elastomeric components of your assembly.

Custom Fabrication

Do you require non-standard or uniquely configured rubber parts? Redwood Plastics and Rubber can splice, bond, laminate and custom-build complex rubber parts for every application.

Redco™ Sheet Rubber

Rolls, Strips and Cut-to-Size

GENERAL PURPOSE

Redco™ RSP80

Designation: SBR, RSP, Sheet Packing
Duro: 80A
Type: General service
Advantage: Economical
Temp Range: -20°C to 80°C (-4°F to 176°F)
Limitation: Temperature, pressure & chemicals
Uses: Industrial flange gaskets, shims, spacers, etc.

Redco™ SBR GP60, GP80

Designation: SBR
Duro: 60A, 80A
Type: Economical commercial grade
Advantage: Economic, good abrasion & impact resistance
Temp Range: -30°C to 77°C (-22°F to 170°F)
Limitation: UV/weather, hydrocarbons, grease & oils.
Uses: Belt skirting, wear bars, impact pads, pulley-lagging, scraper blades, etc.

Redco™ NEO GP60

Designation: CR, Chloroprene, Neoprene
Duro: 50A, 60A, 80A
Type: General Industrial
Advantage: Economical, balanced range of properties
Temp Range: -30°C to 82°C (-22°F to 180°F)
Limitation: Some chemicals & extreme temperatures
Uses: Most common industrial grade of sheet rubber.

Redco™ EPDM GP60

Designation: EPDM
Duro: 60A
Type: General service
Advantage: Performs well in elevated temperatures
Temp Range: -30°C to 104°C (-22°F to 220°F)
Limitation: Limited oil & hydrocarbon resistance
Uses: Seals, weatherstrip, gaskets, etc.

Redco™ NBR-GP60

Designation: NBR, Nitrile, BUNA-N
Duro: 60A
Type: General service
Advantage: Economical range of balanced properties
Temp Range: -30°C to 88°C (-22°F to 190°F)
Limitation: Limited mechanical & chemical properties
Uses: Industrial parts, gaskets, bench-top liners, etc.

Redco™ SBR GPCi60 Packing

Designation: SBR, Cloth Insertion, Packing
Duro: 60A
Type: General service
Advantage: Improved puncture, tear & creep resistance
Temp Range: -30°C to 70°C (-22°F to 158°F)
Limitation: Used when stresses are static in nature
Uses: Packing, aprons, spray-skirts, etc.

Redco™ NEO GPCi70

Designation: CR, Chloroprene, Neoprene, Cloth Inserted
Duro: 70A
Type: General industrial
Advantage: Tear and puncture resistance
Temp Range: -30°C to 82°C (-22°F to 180°F)
Limitation: Chemicals, temperature, pressure and dynamic stress
Uses: Packing

Redco™ Protivity Matting

Designation: Protivity™ Series Industrial Matting
Configuration: Ribbed, plain, button-top, diamond, anti-fatigue
Temp Range: -20°C to 80°C (-4°F to 176°F)
Uses: Runner matting, floor covering, floor protection, employee comfort, etc.

COMMERCIAL GRADES

Redco™ Neo CG60

Designation: CR, Chloroprene, Neoprene
Duro: 50A, 60A, 80A
Type: Commercial
Advantage: Excellent mechanical properties and good resistance to oils
Temp Range: -20°C to 80°C (-4°F to 176°F)
Limitation: Dependent on your specifications
Uses: Gaskets, impact pads, mechanical parts, seals, etc.

Redco™ CCNEO Sponge

Designation: Neoprene
Density: Soft, medium and firm
Type: Commercial grade
Advantage: Resistance to flex, weathering and cracking
Temp Range: -40°C to 93°C (-40°F to 200°F), Intermittent to 121°C (250°F)
Limitation: High compression set and limited abrasion and tear resistance
Uses: Vibration damping, noise abatement and weatherproofing gaskets & seals.

Redco™ NBR-CG60

Designation: NBR, Nitrile, BUNA-N
Duro: 60A
Type: Commercial grade
Advantage: Good hydrocarbon resistance
Temp Range: -30°C to 88°C (-22°F to 190°F)
Limitation: Limited use in extreme cold or elevated temperatures
Uses: Gaskets & seals, anti-vibration equipment parts, etc.

Redco™ EPDM CG60

Designation: EPDM
Duro: 60A
Type: Commercial grade
Advantage: Weather resistance and elevated temperature applications
Temp Range: -30°C to 104°C (-22°F to 220°F)
Limitation: Limited oil & hydrocarbon resistance
Uses: Seals, weatherstrip, gaskets, etc.

Redco™ IIR-CG60

Designation: Butyl (Isobutylene-Isoprene) IIR
Duro: 60A
Type: Commercial grade
Advantage: Excellent gas impermeability and weather resistance. Low resilience makes for an excellent vibration isolator
Temp Range: -20°C to 100°C (-4°F to 212°F)
Limitation: Limited abrasion resistance, limited petrochemical resistance and fair compression-set values
Uses: Shock mounts, anti-vibration dampers, metal tank liners, electrical insulations.

Redco™ CSM-CG60 Hypalon™

Designation: Hypalon (Chlorosulfonated Polyethylene) CSPE, CSM
Duro: 60A
Type: Commercial grade
Advantage: Excellent oxygen and ozone resistance coupled with abrasion resistance
Temp Range: -30°C to 120°C (-22°F to 248°F)
Limitation: There are a wide range of specialty Hypalon compounds with various limitations
Primary Use: Inflatable boat (RIB) components, Marine fenders and wear-pads, waterproofing liners and patches.

Redco™ CCNBR

Designation: NBR (Buna) Sponge
Density: C42 Medium Sponge
Type: Commercial grade
Advantage: Improved oil resistance over CC Neo sponge
Temp Range: -40°C to 121°C (-40°F to 250°F)
Limitation: Compression-set & tear resistance
Uses: Seals, gaskets & weather-stripping.

PREMIUM GRADES

Redco™ Safeguard™

Designation: Nat, Gum Rubber, NR
Duro: 40A, 45A, 38A
Type: Premium
Advantage: Exceptional abrasion resistance
Temp Range:
TAN (40A): -40°C to 83°C (-40°F to 181°F)
RED (38A): -40°C to 80°C (-40°F to 176°F)
ORANGE (45A): -25°C to 80°C (-13°F to 176°F)
Limitation: Weathering (ozone & UV)
Uses: Slurry tank & pipe liners, cement socks, sleeves and chute liners, conveyor skirts, gaskets, etc.

Redco™ Neptune™

Designation: Silicone, EPDM, Nitrile
Duro: 60A (Blue)
Type: Premium
Advantage: Easily identify contamination in food and beverage processing
Temp Range: -40° to +93°C (-40° to +200°F)
Limitation: Dependent on your specifications
Uses: Skirting, gaskets, seals, spray aprons, food and beverage applications, etc.

Redco™ EPDM P60, P60FDA

Designation: EPDM
Duro: 60A
Type: Premium grade
Advantage: High temperature & steam resistance
Temp Range: -45° to +121°C (-49° to +250°F)
Limitation: Limited oil and hydrocarbon resistance
Uses: Steam contact parts, food equipment aprons, skimmers & wipers, edge-seal profiles, etc.

Redco™ NBR-P60, P60FDA

Designation: NBR, Nitrile, BUNA-N
Duro: 60A
Type: Premium grade
Advantage: Outstanding oil resistance and excellent mechanical properties
Temp Range: -40° to +93°C (-40° to +200°F)
Limitation: Limited use in extreme cold, limited resistance to polar liquids, oxidizing agents and chlorides
Uses: Machinery gaskets, heat & oil resistant parts, hoses, sleeves, food processing parts, etc.

Redco™ NEO P60

Designation: CR, Chloroprene, Neoprene
Duro: 60A
Type: Premium grade
Advantage: Excellent resistance to abrasion, oils & weathering. Flame retardant
Temp Range: -29°C to +88°C (-20°F to +190°F)
Limitation: Reduced performance at temperatures below -15°C
Uses: Gaskets, impact pads, wear pads, seal strips.

Redco™ Viton P70™

Designation: FKM
Duro: 70A
Type: Premium grade
Advantage: Extraordinary properties save downtime, production losses and maintenance costs
Temp Range: -26°C to +205°C (-15°F to +400°F)
Limitation: Poor resistance to esters and ketones
Uses: O-rings, gaskets, seals, diaphragms, hose sections, pump components, etc.

Redco™ NEO PNI70

Designation: Reinforced Chloroprene
Duro: 70A
Type: Commercial grade
Advantage: Excellent resistance to burst, tear and puncture
Temp Range: -29°C to 100°C (-20°F to 212°F)
Limitation: Reduced low-temperature abilities below -15°C and limited chemical compatibility
Uses: Diaphragms, gaskets, grommets, engineered parts, etc.

Redco™ EPDM PNI60

Designation: Reinforced EPDM
Duro: 60A
Type: Premium grade
Advantage: Mullen burst resistance of 600 PSI minimum.
Temp Range: -45°C to 121°C (-49°F to 250°F)
Limitation: Limited resistance to hydrocarbons & oxidizing agents.
Uses: Diaphragms, fabricated assemblies for dust-control, high-temperature water-box seals and spray aprons, etc.