



*EST. 1911*

- **Spiral Wound**
- **Semi-Metallic**
- **Ring Joint**
- **Boiler**
- **Compressed**
- **Flexible Graphite**
- **Cork**
- **Mica**
- **Rubber**
- **PTFE**
- **EMI / RFI Shielding**



**GASKET  
& RUBBER**

**Robco** INC.

Engineered Solutions since 1911

# Robco Gasket & Rubber for Heavy Industry

We believe that our value added service, technical and manufacturing expertise can provide annual savings that drastically outweigh your actual purchase costs.

## Manufacturing Capability

---

To remain competitive on the world market today, we invest in state-of-the-art equipment to produce quality parts at the best possible cost; whether in the fabrication of small batches of intricate parts or for large volume production. We are ready!



## Engineering Group

---

Every day, we develop custom solutions that will suit YOUR applications. You make our work exciting by using our abilities to take up your technical challenges and provide solutions that will fit your needs.



## A Long History...

---

Time flies! 100 years in business means a lot of experience under our belt in dealing with all kinds of applications. The culture of supporting our customers with products that provide value remains intact. You are in good hands with us!



## Expert Customer Service

---

Our on-site Technicians, Gasket Specialists and Customer Service departments are available to guide you and answer all your questions in the selection of the ideal product for your application.



*Tradition in Innovation*



### **Metallic and Semi-Metallic Gaskets**

You require high pressure, durable gaskets: Robco manufactures them! From grooved Maxiprofile to Spiral Wound types, we produce standard as well as custom sizes.



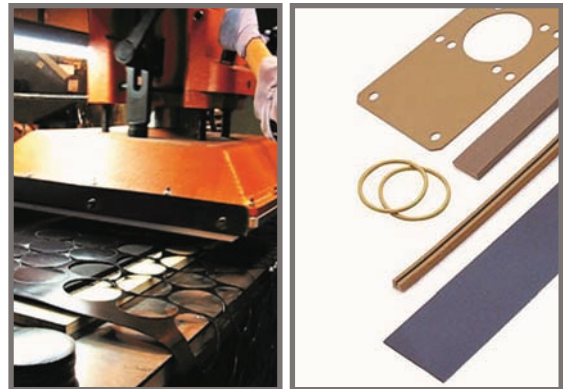
### **Elastomer and Gasket Sheetting Materials**

Your requirements of specific types of soft gaskets can be fulfilled from our vast inventory of raw materials: various grades of cork, sponge rubber, compressed sheet, flexible graphite, modified-PTFE and all popular elastomers such as Natural Rubber, SBR, EPDM, Chloroprene, Nitrile, Hypalon and Viton®.



### **EMI / RFI Shielding Materials**

We fabricate with EMI / RFI (electro-magnetic or radio frequency interference) shielding materials that meet MIL-DTL-83528 specifications, in a wide array of shapes and extrusions.



### **We know the Industry**

Over the last century, we have supplied gasket materials for all possible applications. Our specialized engineers will provide information and advice towards identifying the optimal product for any application.



## Metal Jacketed

### Metal Jacket

#### Solid design - Solid results

Metal jacket gaskets are the most basic type of semi-metallic gasket combining the high pressure suitability and blow-out resistance of metallic materials with the improved compressibility of soft materials.



### Corrugated Metal

#### Graphite Coated

CMGC gaskets featuring a corrugated metal core with a highly compressible graphite overlay, delivering a reliable gasket with the ability to seal at low bolt loads, conform to minor flange imperfections and be manufactured in virtually any configuration.



### Enviroflex and Enviroflex MGM

#### Spiral Wound Gasket

Spiral Wound gaskets consist of metal strips spirally wound with a soft sealing filler material. This sealing element is assembled with or without a metallic centering and/or inner ring(s). Made to fit #150 to #2500 pipe class flanges, they can be custom-made in various alloys and fillers to meet your requirement, custom sizes and application.



Manufactured to ASME B16.20 specifications

### Maxiprofile

#### Semi-Metallic Gasket

The Maxiprofile is a composite gasket that utilizes a serrated metal core with a soft facing material. The metal core is machined on each contact face with concentric serrations providing high pressure areas and ensuring that the soft coating flows into any imperfections in the flange even at relatively low bolt loads.



### Ring Joint

#### Metallic Ring Joint Gasket

Metallic ring joint gaskets are heavy duty, high-pressure gaskets largely used in offshore petrochemical applications. These precision-engineered components designed for use in conjunction with precision-machined flanges are manufactured in accordance with ASME B16.20 and API 6A.



1 1/2" - 36" (Depending on type/shape)

Types:	Materials Available:	
Double Jacketed	Soft Iron	Brass
Single Jacketed	Stainless Steel	Aluminum
Single Corrugated (no filler)	Soft Steel	Titanium
Double Jacketed Corrugated (soft filler)	Monel	Nickel
	Inconel	Brass
	Incoloy	Copper

Metal jacket gaskets offer an economical seal where sealing faces are narrow.

## Corrugated Metal

Core Materials Available:	
304 Stainless Steel	Inconel® 600 & 625
316 Stainless Steel	Incoloy® 800 & 825
316L Stainless Steel	Grade 2 & 7 Titanium
347 Stainless Steel	Alloy 20
410 Stainless Steel	Hastelloy® C276
Duplex 2205	Monel® 400

A logical choice for standard flange, heat exchanger, boiler and valve sealing applications.

## Enviroflex Spiral Wound Gasket

Filler Material	Max. Temp.		
Graphite	850°F		
PTFE	500°F		
Mica	1832°F		
Winding Material	Max. Temp.	Winding Material	Max. Temp.
Stainless Steel 304	1200°F	Stainless Steel 347	1200°F
Stainless Steel 316L	1200°F	Monel 400	1472°F
Stainless Steel 316 Ti	1200°F	Carbon Steel	932°F

\*Enviroflex MGM withstands higher temperatures

## Maxiprofile Semi-Metallic Gasket

Facing Material	Max. Temp.	Max. Pressure	
Graphite	1022°F	6000 psi	
PTFE	500°F		
Mica	1832°F		
Core Material	Max. Temp.	Core Material	Max. Temp.
Stainless Steel 316L	1472°F	Inconel 600 & 625	1832°F
Stainless Steel 304	1202°F	Incoloy 825	1832°F
Monel 400	1472°F	Hastelloy B2	1832°F
Nickel 200	1112°F	Hastelloy C-276	1832°F

Suitable for a wide range of operating conditions

Material	Brinell Hardness	Temperature Limitation	Identification
Soft Iron	90	-60 to 400°C	D
Low Carbon Steel	120	-40 to 500°C	S
4-6% Cr ½ Mo: F5	130	-250 to 500°C	F5
304 SS	160	-250 to 650°C	S304
316 SS	160	-110 to 800°C	S316
321 SS	160	-250 to 870°C	S321
347 SS	160	-250 to 870°C	S347
410 SS	170	-20 to 500°C	S410
Titanium	-	350°C	T1
Inconel	-	500°C	625
Incoloy	-	500°C	825
Hastelloy C-276	-	1000°C	C-276

## Robco 200-HM

### 99% Pure Graphite without reinforcement

A homogenous graphite gasket sheet for use in sealing conditions where low internal pressures exist. High quality industrial-grade (99% carbon) sealing element with low ash content and low leachable chloride levels, offers high compressibility and low creep.



## Robco 204-SFI

### Stainless Steel Foil-reinforced Graphite Sheet

Robco 204 SFI is a material of choice for sealing medium pressure applications. Robco 204 SFI can be used in a wide variety of chemicals applications.



## Robco 210-STI

### Stainless Steel Tang-reinforced Graphite Sheet

Robco 210 STI excels in aggressive, high temperature, high pressure applications. Can replace spiral wound gaskets in large and custom sizes. 210 STI is the choice material to ensure a long-lasting seal in difficult applications.



## KLINGER Top-Sil-ML1

### Synthetic Fibers and Elastomers

A combination of synthetic fibers and various elastomers bound in a multi-layer structure. Top-Sil ML1 has excellent properties such as less creep, high permissible load, delayed aging and leak-free sealing at high temperatures. Suitable for use in steam, oils, fuels, hydrocarbons and potable water.



## KLINGER Quantum

### 2nd Generation Compressed Fiber Sheetting

Exclusively HNBR bound, Quantum offers excellent temperature resistance across a much broader range of chemicals than all other fiber reinforced gasket materials. Klinger Quantum is FDA compliant for food applications and fire tested as per API 607/ISO 10497.



Quantum® is a trademark of Klinger Group

### Robco 200-HM

Compressibility	Recovery	Creep Relaxation
44%	15% min.	5%
Temp. Oxidizing -400°F - 850°F	Temp. Mild-Oxidizing -400°F - 1200°F	Temp. Non-Oxidizing -400°F - 5400°F
Gasket Factor / m 1.25	Gasket Factor / y 700 psi	Sealability 0.5 ml/hr

Low pressure applications



### Robco 204-SFI

Compressibility	Recovery	Creep Relaxation
42%	17% min.	5%
Temp. Oxidizing -400°F - 850°F	Temp. Mild-Oxidizing -400°F - 1200°F	Temp. Non-Oxidizing -400°F - 1800°F
Gasket Factor / m 2	Gasket Factor / y 900 psi	Sealability NA

General Purpose



### Robco 210-STI

Compressibility	Recovery	Creep Relaxation
42%	17% min.	5%
Temp. Oxidizing -400°F - 850°F	Temp. Mild-Oxidizing -400°F - 1200°F	Temp. Non-Oxidizing -400°F - 5400°F
Gasket Factor / m 2	Gasket Factor / y 2500 psi	Operating Pressure 1200 psi max.

High-pressure / High temperature



### Klinger Top-Sil-ML1

Compressibility	Recovery	Creep Relaxation
9%	50% min.	NA
Thickness Decrease @ Compression 7251 psi		Sealability
@73°F 8%	@572°F 15%	NA
Thickness Increase after immersion in		Density
ASTM Oil IRM 4%	ASTM Fuel B 8%	106 lb/ft³

Innovative multi-layered material



### Robco Quantum

Compressibility	Recovery	Stress Relaxation
10%	60% min.	BS7531 3916 psi
Klinger Hot Compression Test, 7251 psi		Thickness Decrease
@73°F 10%	@572°F 14%	@752°F 20%
Thickness Increase after immersion in		Density
ASTM Oil 3 3%	ASTM Fuel B 5%	106 lb/ft³

Best innovation in the fiber reinforced gasket composite





## KLINGERSil C-4300

### Aramid Fibers

C-4300 is a general purpose material manufactured from aramid fibers with an NBR binder and is commonly used with hydrocarbons, fuels, oils and water. Provides good sealability and good chemical resistance.



## KLINGERSil C-4401

### Synthetic Fibers

Our most popular material suitable for use with air, water, steam, oils, fuels, and gases. Particularly suited for use in internal combustion engines, compressors, and hydraulic applications.



## KLINGERSil C-4408

### Wire Reinforced

C-4408 material is a synthetic fiber based material with a nitrile binder reinforced with a steel woven mesh insert. Recommended for applications under high stress, vibration and fluctuating temperatures and pressures.



## KLINGERSil C-4409

### Carbon Steel Insert

C-4409 is a synthetic fiber and nitrile binder reinforced with a galvanized low carbon steel insert excellent for use in hot gases, vibration and high temperature and pressure applications. C-4409 is used as a replacement for Spiral Wound Gaskets.



## KLINGERSil C-4430

### Fiberglass and Aramid Fibers

Glass fiber based with an NBR binder for use in a wide range of chemical applications. A premium grade compressed fiber material with exceptional compressive strength and good chemical and temperature resistance. For oil, steam, hydrocarbon, oxygen and water applications.



## Klingersil C-4300

Compressibility	Recovery	Creep Relaxation
10%	50% min.	25 %
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 10.5%	@572°F 25%	<0.25 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 10%	100 lb/ft <sup>3</sup>

General purpose sheet with good chemical resistance

60"L x 60"W 1/64" - 1/8"

## Klingersil C-4401

Compressibility	Recovery	Creep Relaxation
7%	50% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 10.5%	@572°F 17%	<0.5 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 7%	112 lb/ft <sup>3</sup>

Good general purpose material

80"L x 80"W Available in 1/8" thick 60"L x 60"W 0.008" - 1/8"

## Klingersil C-4408

Compressibility	Recovery	Creep Relaxation
8%	50% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 10%	@572°F 22%	NA
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 5%	119 lb/ft <sup>3</sup>

Suitable for fluctuating temperatures & pressures

60"L x 60"W 1/32" - 1/8"

## Klingersil C-4409

Compressibility	Recovery	Creep Relaxation
7%	50% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 10%	@572°F 10%	NA
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 5%	125 lb/ft <sup>3</sup>

Excellent for hot gases and high pressure applications

60"L x 60"W 3/64" - 1/8"

## Klingersil C-4430

Compressibility	Recovery	Creep Relaxation
9%	50% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 8%	@572°F 11%	NA
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 5%	96 lb/ft <sup>3</sup>

Premium grade material and excellent steam sheet

60"L x 60"W 1/64" - 1/8"

## KLINGERSil C-4433

### Fiberglass, Aramid & Inorganic Fibers

Great general purpose material with good chemical resistance and mechanical properties. Best overall steam sheet with the best load bearing capability available in an asbestos-free gasket. C-4433 has passed the fire test criteria of API 607 Fourth Edition.



## KLINGERSil C-4439

### Fiberglass & Aramid, Steel Reinforced

A top quality synthetic fiber based material with a nitrile rubber binder. The addition of galvanized low carbon steel reinforcement provides high pressure resistance. C-4439 has passed the fire test criteria of API 607 Fourth Edition.



## KLINGERSil C-4500

### Carbon Fibers

A premium grade carbon fiber based material with an NBR binder designed for use under high temperatures and pressures. A universal material with good steam, oil, and chemical resistance. Particularly suited for use in highly alkaline applications, high internal pressure applications and those requiring good load bearing characteristics.



## KLINGERSil C-4509

### Carbon Fibers, Steel reinforced

A top quality carbon fiber based material with a nitrile rubber binder and an expanded steel reinforcement. Provides greater resistance to thermal degradation in high pressure applications and increased temperatures. Recommended in a wide range of media including oils, hydrocarbons, alkalis and steam.



## KLINGERSil C-5400

### Synthetic Fibers and Neoprene

C-5400 is a blend of synthetic fibers with a neoprene binder. Introduced for service with refrigerants and various oils. Used in all industries where refrigerants are the major service, such as the Food Industry.



### Klingersil C-4433

Compressibility	Recovery	Creep Relaxation
7%	60% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 7%	@572°F 8%	<0.5 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 7%	112 lb/ft <sup>3</sup>

Best general purpose sheet . Fire-tested



### Klingersil C-4439

Compressibility	Recovery	Creep Relaxation
7%	50% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 8%	@572°F 4%	NA
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 5-10%	131 lb/ft <sup>3</sup>

Fire-tested and suitable for high pressures



### Klingersil C-4500

Compressibility	Recovery	Creep Relaxation
12%	60% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 10%	@572°F 15%	<0.30 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 5%	87 lb/ft <sup>3</sup>

Suitable for wide range of chemical applications



### Klingersil C-4509

Compressibility	Recovery	Creep Relaxation
12%	70% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 9%	@572°F 7%	NA
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 5%	125 lb/ft <sup>3</sup>

Excellent resistance to thermal degradation



### Klingersil C-5400

Compressibility	Recovery	Creep Relaxation
8%	50% min.	20%
Thickness Decrease@Compression 7251 psi		Sealability
@73°F 11%	@572°F 21%	<0.20 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 10%	106lb/ft <sup>3</sup>

Designed for use with refrigerants



## KLINGERSil C-6400

### Synthetic Fibers

General purpose commercial material with synthetic fibers and an SBR binder. Suitable for oils, water, light/low pressure steam, and gases. This material has good swell characteristics, yielding a more tightly sealed joint.



## KLINGERSil C-7400

### Synthetic Fibers

Engineered synthetic material to handle severe service, especially caustics because of its EPDM binder. This style has proven outstanding against light steam duty. Prime industries include pulp & paper, power generation and chemical.



## KLINGERSil C-8200

### Synthetic Fibers

C-8200 is a compressed fiber material developed for use with a broad range of chemicals; provides particularly good resistance to strong acids and alkalis. C-8200 is an economical alternative to PTFE-based materials in less aggressive applications.



## Robco Milam PSS

### Reinforced Mica Sealing Material

Milam-PSS is an asbestos free mica based sealing material reinforced with a stainless steel tanged insert. Specifically designed for hot, dry gas applications. The outstanding chemical resistance of mica also makes the gasket suitable for a wide range of other applications.



## KLINGER Thermica

### High Temperature Gasket Material

High temperature material with a nitrile binder. The addition of mica increases usable temperature range. Exhibits excellent leak tightness, thermal stability and load bearing properties. Suitable for a wide range of low pressure applications including oils, fuels, steam, hydrocarbons.



Klingsil®, Top-Sil® and Thermica® are trademarks of Klinger Group

### Klingsil C-6400

Compressibility	Recovery	Creep Relaxation
8%	50% min.	20%
Thickness Decrease @ Compression 7251 psi		Sealability
@73°F 12%	@572°F 11%	<0.20 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 10%	ASTM Fuel B 10%	112 lb/ft³

Good swell characteristics



### Klingsil C-7400

Compressibility	Recovery	Creep Relaxation
7%	50% min.	25%
Thickness Decrease @ Compression 7251 psi		Sealability
@73°F 9%	@572°F 5%	<0.30 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 15%	ASTM Fuel B 5-20%	94 lb/ft³

Designed to handle strong chemicals at lower bolt loads



### Klingsil C-8200

Compressibility	Recovery	Creep Relaxation
9%	50% min.	30%
Thickness Decrease @ Compression 7251 psi		Sealability
@73°F 7%	@572°F 17%	<0.30 ml/hr
Thickness Increase after immersion in		Density
ASTM Oil 1 5%	ASTM Fuel B 10%	106 lb/ft³

Excellent choice for alkalis & acid resistance



### Robco Milam PSS

Compressibility	Recovery	Stress Relaxation
15% - 23%	40% - 50% min.	50MPa/300°C 5801psi
Int. Pressure	Gas Leakage	Stress Relaxation
29 psi	>100 ml/min	2600 - 4641psi 40MPa/300°C
Min. Temp.	Max. Temp.	Stress
NA	1472°F - 1832°F	11602 - 14503 psi

Good for exhaust manifolds, turbines, turbo chargers, and air heat exchangers.



### Klinger Thermica

Compressibility	Recovery	Creep Relaxation
12%	55% min.	NA
Thickness Decrease @ Compression 7251 psi		Sealability
@73°F 17%	@572°F 13%	NA
Thickness Increase after immersion in		Density
ASTM Oil IRM 8%	ASTM Fuel B NA	NA

Excellent stability at high temperatures





## KLINGER Top-Chem-2000

### Fire-Safe and Chemically Resistant PTFE

Heavy-duty modified PTFE material manufactured with the addition of silicon carbide to improve the mechanical properties of the PTFE based material. Greatly increased compressive strength and resistance to creep while maintaining excellent chemical resistance. Used in food, pharmaceutical and chemically aggressive applications.



## KLINGER Top-Chem-2003

### Resilient at Low Bolt Load PTFE

Modified PTFE designed for use in low gasket load applications. Glass microspheres aid compressibility and general mechanical strength. Developed for use with glass-lined flanges and other situations where compressive load is limited.



## KLINGER Top-Chem-2005

### PTFE for Strong Acids

Top-Chem-2005 is a modified PTFE optimized for use in acidic applications. The addition of glass improves mechanical properties of the PTFE and increases operational range of PTFE based materials. Not recommended with strong alkalis.



## KLINGER Top-Chem-2006

### PTFE for Strong Alkalies

Top-Chem-2006 is a modified PTFE optimized for use in alkaline applications. The addition of barium sulfate improves mechanical properties of the PTFE and increases operational range of PTFE based materials. Not recommended with strong acids.



## KLINGER Soft-Chem

### Highly Compressible Expanded PTFE

A pure, expanded PTFE material designed for use in low bolt load applications. Offers improved compressive strength and improved creep resistance. Soft-Chem is suitable for use in food and pharmaceutical duties and can be used in glass-lined, plastic and steel flanges.



TopChem® and Soft-Chem® are trademarks of Klinger Group

### Klinger Top-Chem-2000

Compressibility	Recovery	Creep Relaxation
2%	55% min.	NA
Thickness Decrease@Compression 7251 psi		Sealability
@75°F 2%	@480°F 5%	<0.5 ml/min
Thickness Increase after immersion in		Density
Sulfuric Acid 1%	Nitric Acid 2%	156 lb/ft³

Top-Chem-2000 is fire-safe according to API 6FA and ISO 10497 as well as TA-Luft (Clean Air) approval

60"L x 60"W 0.040" - 1/8"

### Klinger Top-Chem-2003

Compressibility	Recovery	Creep Relaxation
18%	40% min.	NA
Thickness Decrease@Compression 3625 psi		Sealability
@75°F 9%	@480°F 38%	<0.1 ml/min
Thickness Increase after immersion in		Density
Sulfuric Acid 1%	Nitric Acid 5%	106 lb/ft³

Top-Chem-2003 can be used for food, pharmaceutical, and chemically aggressive applications. Top-Chem-2003 has TA-Luft (Clean Air) approval

60"L x 60"W 0.040" - 1/8"

### Klinger Top-Chem-2005

Compressibility	Recovery	Creep Relaxation
7%	35% min.	NA
Thickness Decrease@Compression 7251 psi		Sealability
@75°F 10%	@480°F 30%	<0.2 ml/min
Thickness Increase after immersion in		Density
Sulfuric Acid 2%	Nitric Acid 7%	125 lb/ft³

Top-Chem-2005 has TA-Luft (Clean Air) approval

60"L x 60"W 0.040" - 1/8"

### Klinger Top-Chem-2006

Compressibility	Recovery	Creep Relaxation
4%	40% min.	NA
Thickness Decrease@Compression 7251 psi		Sealability
@75°F 10%	@480°F 40%	<0.1 ml/min
Thickness Increase after immersion in		Density
Sulfuric Acid NA	Nitric Acid 7%	181 lb/ft³

Top-Chem-2006 has TA-Luft (Clean Air) approval.

60"L x 60"W 1/16" - 1/8"

### Klinger Soft-Chem

Compressibility	Recovery	Creep Relaxation
60%	12% min.	35%
Thickness Decrease @vacuum - full pressure		Sealability
@572°F 28.6%	3000 psi	<0.002 ml/hr
Thickness Increase		Density
@3625 psi 37%	0.12 ml/min.	53.1 lb/ft³

Softest sheet for non-metallic flanges handling chemicals

60"L x 60"W 0.020" - 0.240"

## Robchem CF-500

### PTFE Reinforced with Glass - Universal

CF-500 offers excellent chemical resistance, reduced creep, anti-stick performance and low material porosity. Ideal choice for various industries including pulp & paper, aerospace, petrochemical, steel, power generation, pharmaceutical. etc.



## Robchem CF-504

### PTFE Reinforced with Glass - Low Torque

A highly compressible PTFE material reinforced with glass fiber and glass microspheres making it suitable for low bolt load applications. CF-504 has excellent chemical resistance, reduced cold flow and good anti-stick performance.



## Robchem CF-510

### PTFE Reinforced with Glass - Strong Chemicals

A PTFE based material reinforced with glass fiber, CF-510 exhibits ultra low deformation characteristics, excellent chemical resistance, reduced cold flow and good anti-stick performance. An ideal choice for use with sodium hydroxide.



## Robco Sealon

### PTFE and Glass - Premium Grade

This premium grade material is a blend of pure PTFE and glass fiber produced to your size requirements. Provides increased resistance to wear, and deformation under load and low coefficient of thermal expansion.



## Robco Virgin PTFE

### Pure PTFE Sheet

A premium grade material recommended for applications requiring high dielectric strength and resistance to strong chemicals and solvents. Virgin PTFE exhibits the lowest coefficient of friction of all materials. Available in continuous length skived tape.



### Robchem CF-500

Compressibility	Recovery	Creep Relaxation
4%	44% min.	6%
Tensile Strength	Max. Pressure	Sealability
2660 psi	1200 psi	<0.009 ml/min
Min. Temp.	Max. Temp.	Specific Gravity
-450°F	500°F	2.3

Ideal choice for a wide range of industries

Shore D2 **61** 60"L x 60"W 0.015" - 0.375"

### Robchem CF-504

Compressibility	Recovery	Creep Relaxation
25%	30% min.	30%
Tensile Strength	Max. Pressure	Sealability
2100 psi	800 psi	<0.007 ml/min
Min. Temp.	Max. Temp.	Specific Gravity
-450°F	500°F	2.1

Suitable for low bolt load applications

Shore D2 **57** 60"L x 60"W 0.015" - 0.375"

### Robchem CF-510

Compressibility	Recovery	Creep Relaxation
4%	50% min.	6%
Tensile Strength	Max. Pressure	Sealability
2307 psi	1200 psi	<0.007 ml/min
Min. Temp.	Max. Temp.	Specific Gravity
-450°F	500°F	2.02

Excellent chemical resistance

Shore D2 **61** 60"L x 60"W 0.015" - 0.375"

### Robco Sealon

Compressibility	Recovery	Creep Relaxation
NA	NA.	NA
Tensile Strength	Elongation	Sealability
2500 psi	200%	NA
Min. Temp.	Max. Temp.	Specific Gravity
-450°F	500°F	2.24

Filled PTFE for general applications

Shore D **63** 48"L x 48"W 1/16" - 1/8"

### Robco Virgin PTFE

Compressibility	Elongation	Creep Relaxation
NA	200%	NA
Tensile Strength	Max. Pressure	Sealability
3000 psi	NA	NA
Min. Temp.	Max. Temp.	Specific Gravity
-400°F	500°F	2.16

Resistance to strong chemicals and solvents

Shore D **54** 48"L x 48"W 1/32" - 1/4"

## Robco Jointex

### Shapeable PTFE

Thick tape formed with an adhesive backing for universal installation. Offers the unique properties of expanded PTFE to create an effective seal at low bolt loads and conform to flange imperfections. Jointex does not support bacterial growth or cause product contamination: FDA compliant.



### Robco Jointex

Low Temperature	High Temperature	Max. Pressure
-321°F	500°F	2000 psi

Easy installation and outstanding chemical resistance

	1/8"	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	3/4"	1"
①	100'	75'	50'	25'	15'	15'	15'	15'	15'
②	1000'	750'	500'	250'	150'	150'	100'	90'	75'

## Robco 435F

### Red Rubber

Robco 435 red rubber is an SBR-based fabric-finished, composition rubber sheet. A general purpose plant maintenance material recommended for air, hot or cold water and low pressure saturated steam applications.



### Robco 435F

Temperature Range	Compression Set	Specific Gravity
-22°F - 180°F	50% Max.	112 lb/ft³
Max. Hardness	Tensile Strength	Elongation
75 Duro	600 psi Min.	100% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

Low cost material for basic applications

Shore 75 ASTM D2000 1AA806Z1 36"W - 48"W 1/16" - 1/4"

## Robco 460

### Natural Pure Gum Rubber

Robco 460 Pure Gum, or natural rubber, has superior resistance to tear and abrasion, flexibility at low temperatures, high tensile strength and excellent resiliency. Applications include chute linings, low temperature belting, cemented sleeves, etc.



### Robco 460

Temperature Range	Compression Set	Specific Gravity
-22°F - 185°F	50% Max.	66 lb/ft³
Max. Hardness	Tensile Strength	Elongation
40 Duro	2500 psi Min.	400% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

High resiliency at low temperature

Shore A 40 ASTM D2000 2AA425A13F17 48"W 1/16" - 1"

## Robco 464

### Black SBR

Robco 464 is a general purpose SBR sheet with good abrasion resistance, impact strength, resilience and flexibility at low temperatures. Suitable for scrapers, conveyor skirtboards, blast mats and other abrasive applications.



### Robco 464

Temperature Range	Compression Set	Specific Gravity
-22°F - 180°F	80% Max.	NA
Max. Hardness	Tensile Strength	Elongation
60 Duro	500 psi Min.	300% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
NA	NA	NA

Low cost general purpose

Shore A 60 48"W 1/16" - 1/2"

## Robco 465

### Polychloroprene (Neoprene) - 50 Duro

Good inherent resistance to fungus, flame, weather, ozone and natural aging; moderate resistance to oil and gasoline; good resistance to alkalis and acids. Applications include gaskets and washers for industrial processes and seals for doors and windows.



### Robco 465

Temperature Range	Compression Set	Specific Gravity
-22°F - 200°F	80% Max.	77 lb/ft³
Max. Hardness	Tensile Strength	Elongation
50 Duro	1000 psi Min.	300% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±15% Max.	-50% Max.

First choice for moderate applications

Shore A 50 ASTM D2000 1BC510 48"W 1/16" - 1/4"



## Robco 466

### Polychloroprene (Neoprene) - 60 Duro

Good inherent resistance to fungus, flame, weather, ozone and natural aging; moderate resistance to oil and gasoline; good resistance to alkalis and acids. Applications include gaskets and washers for industrial processes and seals for doors and windows.



## Robco 467

### Polychloroprene (Neoprene) - 70 Duro

Good inherent resistance to fungus, flame, weather, ozone and natural aging; moderate resistance to oil and gasoline; good resistance to alkalis and acids. Applications include gaskets and washers for industrial processes and seals for doors and windows.



## Robco 9370

### White Nitrile

Robco 9370 is a powder-free white nitrile that has excellent resistance to petroleum-based hydraulic fluids and good resistance to acids and alkalis. This FDA grade material is recommended for service in pharmaceuticals, food industry and other purity sensitive applications.



## Robco 9863

### Nitrile

Robco 9863 Nitrile has very good resistance to oil and gasoline; superior resistance to petroleum-based hydraulic fluids; good resistance to hydrocarbon solvents; good resistance to alkalis and acids. Ideal for applications where oil resistance is imperative.



## Robco EP-60

### EPDM

Excellent resistance to heat, ozone, sunlight. Good low temperature flexibility; superior resistance to water and steam; good resistance to alkalis, acids and oxygenated solvents. Besides gaskets, applications include any type of weather stripping. Avoid contact with hydrocarbon fluids.



### Robco 466

Temperature Range	Compression Set	Specific Gravity
-22°F - 200°F	80% Max.	82 lb/ft³
Max. Hardness	Tensile Strength	Elongation
60 Duro	1000 psi Min.	300% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

First choice for moderate applications

Shore A **60** ASTM D2000 1BC610 48"W 1/32" - 1"

### Robco 467

Temperature Range	Compression Set	Specific Gravity
-22°F - 200°F	80% Max.	82 lb/ft³
Max. Hardness	Tensile Strength	Elongation
70 Duro	1000 psi Min.	200% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

First choice for moderate applications

Shore **70** ASTM D2000 1BC710 48"W 1/16" - 1/4"

### Robco 9370

Temperature Range	Compression Set	Specific Gravity
-40°F - 200°F	50% Max.	87 lb/ft³
Max. Hardness	Tensile Strength	Elongation
60 Duro	1000 psi Min.	300% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

Meets FDA requirements for common applications

Shore **60** ASTM D2000 1BF610 48"W 1/16" - 1/4"

### Robco 9863

Temperature Range	Compression Set	Specific Gravity
-40°F - 200°F	25% Max.	72 lb/ft³
Max. Hardness	Tensile Strength	Elongation
60 Duro	2500 psi Min.	350% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

First choice for contact with hydrocarbons

Shore **60** ASTM D2000 2BG625B14EA14E F111EF21E014E034 48"W 1/16" - 1/4"

### Robco EP-60

Temperature Range	Compression Set	Specific Gravity
-40°F - 250°F	50% Max.	75 lb/ft³
Max. Hardness	Tensile Strength	Elongation
60 Duro	800 psi Min.	300% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
+10 points Max.	-25% Max.	-25% Max.

Good acid and weather resistance

Shore **60** ASTM D2000 3BA608A14C12F17 48"W 1/16" - 1/4"

## Robco EPP-60

### Peroxide-Cured EPDM

Robco EPP-60 peroxide-cured EPDM is an economical alternative to Viton®, PTFE and silicone in certain applications involving chemicals at elevated temperatures.



## Robco SIL-60

### Grey/Red/White Silicone

Ideal where low bolt load is necessary and high temperature resistance is required. Resistant to moderate chemicals, ozone, UV. Also available in FDA grade material for high temperature food and pharmaceutical applications.



## Robco VI-75

### Viton®

Robco VI-75 Viton is made from 100% Dupont Performance Elastomer FKM polymer. Resistant to all aromatic, aliphatic and halogenated hydrocarbons plus many acids as well as animal and vegetable oils.



Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.

## Robco 423-SBR-CI

### Cloth Inserted

Robco 423 CI standard cloth inserted sheet is made from SBR reinforced with polyester fabric. More tear resistant than homogenous rubber, Robco 423 CI is suitable for low pressure saturated steam, hot or cold water, air and gas applications.



## Robco 2919

### Neoprene Coated Polyester

A very thin, lightweight material used to make protective boots/bellows and protective covers. Robco 2919 makes a far more durable cover than any other type of weather resistant product.



### Robco EPP-60

Temperature Range	Compression Set	Specific Gravity
-55°F - 300°F	NA	NA
Max. Hardness	Tensile Strength	Elongation
60 Duro	1800 psi Min.	400% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
NA	NA	NA

Acid resistant

Shore 60 ASTM D2000 M4CA610A25C32EA14F19 36"- 48"W 1/16" - 1/4"

### Robco SI-60

Temperature Range	Tear Resistance	Specific Gravity
-80°F - 450°F	100 ppi	90.5 lb/ft³
Max. Hardness	Tensile Strength	Elongation
60 Duro	700 psi Min.	350% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
NA	NA	NA

Soft material for high temperature applications

Shore A 60 36"W 1/16" - 1"

### Robco VI-75

Temperature Range	Compression Set	Specific Gravity
-13°F - 392°F	NA	120 lb/ft³
Max. Hardness	Tensile Strength	Elongation
75 Duro	1200 psi Min.	250% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
NA	NA	NA

Soft resilient material with high chemical resistance

Shore A 75 36"W 1/32" - 1/4"

### Robco 423-CI

Temperature Range	Compression Set	Specific Gravity
-20°F - 180°F	50% Max.	94 lb/ft³
Max. Hardness	Tensile Strength	Elongation
80 Duro	500 psi Min.	100% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
±15 points Max.	±30% Max.	-50% Max.

General purpose / high tensile

Shore 80 ASTM D2000 1AA805 36"W - 48"W 1/16" - 1/4"

### Robco 2919

Temperature Range	Tearing Strength	Specific Gravity
-40°F - NA	40 - 90 lbs	11 lb/ft³
Max. Hardness	Breaking Strength	Elongation
NA	360 - 640 lbs	100% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
NA	NA	NA

For fabrication purposes

60"W 0.020" min.

## Robco 5700

### Neoprene & Nylon Diaphragm

A premium quality sheet made from high grade neoprene reinforced with nylon fabric. Robco 5700 is recommended for use where neoprene's physical and chemical properties in combination with nylon's strength are required.



## Robco 5717

### Neoprene & Polyester Diaphragm

Made from high grade neoprene reinforced with polyester fabric. A superior quality diaphragm material with high burst strength and flexibility. Recommended for applications that require the flexibility of polyester and good oil resistance.



## Robco 602

### Closed-Cell Neoprene Sponge

Soft density neoprene, closed-cell sponge material for gaskets, weather stripping as well as sound and vibration damping. This product is available in extruded profiles, sheet or strips with or without pressure sensitive adhesive (PSA) backing.



## Robco 1523

### General Purpose Open-Cell Sponge

A natural open-cell sponge rubber with excellent abrasion resistance, compressibility and good dry sealing properties. Readily absorbs liquids and gases. Available in sheets, strips or die cut parts with or without adhesive backing.



## Robco SC-41

### Soft Density, Closed-Cell Sponge

SC-41 is a PVC/NBR/Neoprene elastomeric sponge with moderate compression-deflection and fine cell structure. Meets required specifications for automotive, truck and appliance gasketing applications. Available with Pressure Sensitive Adhesives (PSA).



### Robco 5700

Temperature Range	Compression Set	Specific Gravity
-31°F - 212°F	35% Max.	88 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Elongation
70 Duro	1400 psi Min.	250% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
+15 points Max.	-15% Max.	-40% Max.

Premium diaphragm Material

Shore A **70** ASTM D2000  
2BC714A14B  
14EO14EO34 54"W 1/16" - 1/4"

### Robco 5717

Temperature Range	Compression Set	Specific Gravity
-22°F - 212°F	35% Max.	97 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Elongation
70 Duro	1400 psi Min.	250% Min.
Heat Aging:Hardness	Heat Aging:Tensile	Heat Aging:Elongation
+15 points Max.	-15% Max.	-40% Max.

Economical diaphragm

Shore A **70** ASTM D2000  
2BC714A14B  
14EO14EO34 48"W 1/16" - 1/4"

### Robco 602

Temperature Range	Compression Set	Density
-40°F - 150°F	25% Max.	7 - 11 lb/ft <sup>3</sup>
Tear Strength	Tensile Strength	Elongation
14 lb/in	90 psi Min.	150% Min.
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
±30%	5 psi Min. - 9 psi Max.	5% Max.

For gaskets, stripping, sound and vibration damping

ASTM D1056-07  
2C2 54"W 1/8" - 1"

### Robco 1523

Temperature Range	Compression Set	Density
-20°F - 160°F	15% Max.	26 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Elongation
45 Duro ±10	NA	NA
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
±20%	5 psi Min. - 10 psi Max.	NA

Excellent abrasion resistance and compressibility properties

Shore 00 **35-45** 48"W 1/8" - 1"

### Robco SC-41

Temperature Range	Compression Set	Density
-20°F - 180°F	25% Max.	3.5 - 5.0 lb/ft <sup>3</sup>
C-Tear Strength	Tensile Strength	Elongation
10 lb/in Min.	50 psi Min.	75% Min.
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
NA	2 psi Min. - 5 psi	NA

Appropriate for automotive, truck and appliance gasketing

Shore 00 **20-40** ASTM D1056  
2B1 B2 54"W 1/8" - 1"



## Robco SC-42

### Medium density, Closed-Cell Sponge

SC-42 is a PVC/NBR/Neoprene elastomeric sponge material, ideal for gaskets, weather stripping as well as sound and vibration damping. Available in extruded profiles, sheet or strips with or without pressure sensitive adhesive (PSA) backing.



## Robco SC-42

Temperature Range	Compression Set	Density
-20°F - 180°F	25% Max.	6 - 8 lb/ft <sup>3</sup>
Tear Strength	Tensile Strength	Elongation
15 lb/in	75 psi Min.	100% Min.
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
NA	5psi Min. - 9psi Max.	NA

For gaskets, stripping, sound and vibration damping

Shore 00 **35-50** ASTM D1056 2B2 B2 48"W 1/8" - 1"

## Robco SC-43

### Firm density, Closed-Cell Sponge

SC-43 is a PVC/NBR/Neoprene elastomeric sponge material, suitable for gaskets, weather stripping as well as sound and vibration damping. Available in extruded profiles, sheet or strips with or without pressure sensitive adhesive (PSA) backing.



## Robco SC-43

Temperature Range	Compression Set	Density
-40°F - 200°F	30% Max.	9 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Elongation
60 Duro	71 psi Min.	150 %
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
±30%	9psi Min. - 13psi Max.	5% by/wt Max.

For gaskets, stripping, sound and vibration damping

Shore 00 **60** ASTM D1056 2A3 72"L x 42"W 1/8" - 1"

## Robco White Silicone

### Stability at high temperatures

Premium quality material used where highly compressible gaskets are required at temperatures up to 500°F. The cellular structure is produced without the use of CFCs resulting in less damage to the environment.



## Robco White Silicone

Temperature Range	Compression Set	Density
-67°F - 500°F	25% Max.	0.02 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Elongation
NA	90 psi Min.	200 %
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
NA	6psi Min. - 14psi Max.	5% by/wt Max.

Profile extrusions, sheeting, jointed rings, punched forms

36"L x 24"W 1/16" - 1/2"

## Robco Microcellular Urethane

### Superior Foam/Sponge

Offers enhanced recovery over other types of foam and sponge, resulting in a superior seal, particularly in low seat stress applications. This material exhibits resistance to UV exposure, ozone and is environmentally safe and clean. An excellent choice for seals, gaskets and spacers used in electronic equipment.



Available in soft, medium and firm density.

## Robco Microcellular Urethane

Temperature Range	Compression Set	Density
-40°F - 194°F	5% Max.	17 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Elongation
12 Duro	40 psi Min.	100 %
Heat Aging:CD	Comp. Deflection @ 25%	Water Absorption
NA	NA	NA

Perfect choice for vibration & impact damping

Shore O **12** 54"W 1/32 - 1/2"

## Robco 100N

### Neoprene and Cork

An extremely durable medium grade neoprene and cork material with superior tensile and tear strength; highly oil resistant. Ideal for transformer sealing applications.



## Robco 100N

Compression Set	Recovery	Density
60% Max.	75% min.	45 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
70 Duro	250 psi	2 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1 10%	ASTM Fuel A 15%	35%

#1 choice for transformers

Shore A **50 - 70** 36"L x 36"W 1/32" - 1/4"

## Robco E-30

### Most Economical Cork Gasket

E-30 is an economical neoprene and cork material. Suitable for sealing at low bolting pressures in a wide variety of applications.



## Robco E-40

### Neoprene and Cork

E-40 is an excellent medium grade neoprene and cork material used for oil and transmission seals and automotive gaskets. A high-quality material with medium compressibility and oil resistance.



## Robco E-50

### General purpose Neoprene and Cork

Firm grade neoprene and cork with high tensile strength and tear resistance and low compression set. E-50 has excellent heat resistance and moderate swelling in oils and fuels. Also suitable for high bolting pressure.



## Robco E-70

### Co-Polymer and Cork

An economical sealing material, E-70 is a soft grade co-polymer and cork material with moderate resistance to fuels. Commonly used in transformers and automotive and industrial applications.



## Robco FKS

### Beater Add Gasket Sheet

Made from cellulose fiber and fine grain cork with an SBR binder. FKS is extremely compressible, conforming well to rough surfaces. Recommended for use in water and oil applications.



### Robco E-30

Compression Set	Recovery	Density
60% Max.	95% min.	33 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
65 Duro	150 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1	10% ASTM Fuel A NA	50%

Most economical cork gasket

Shore **50 - 65**



36" L x 36" W



1/8" - 1/4"

### Robco E-40

Compression Set	Recovery	Density
60% Max.	80% min.	44 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
75 Duro	250 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1	20% ASTM Fuel A 15%	35%

For oil sealing, transmissions and automotive gaskets

Shore **A 55 - 75**



36" L x 36" W



1/32" - 1/4"

### Robco E-50

Compression Set	Recovery	Density
55% Max.	75% min.	46 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
70 Duro	250 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1	20% ASTM Fuel A 15%	25%

General purpose

Shore **A 10 - 70**



36" L x 36" W



1/16" - 1/4"

### Robco E-70

Compression Set	Recovery	Density
60% Max.	75% min.	43 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
70 Duro	200 psi Min.	1 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1	10% ASTM Fuel A 10%	45%

Used in transformers and most industrial applications

Shore **A 60 - 70**



36" L x 36" W



1/16" - 3/8"

### Robco FKS

Compressibility	Recovery	Creep Relaxation
33%	38% min.	NA
Tensile Strength	Max. Temperature	Density
1241 psi	300°F	40 lb/ft <sup>3</sup>
Thickness Increase after immersion in		
ASTM Oil IRM	18% ASTM Fuel B 18%	Water 17%

Low pressure, Fuel and oil resistance



43" W



1/32" - 1/16"

## Robco GRC-36

### Economy Grade

An economical grade cork co-polymer with medium fuel and oil resistance and medium compressibility. Ideal for the automotive aftermarket.



## Robco H-35

### Nitrile and Cork - Roll

Top quality nitrile and cork material that is highly compressible with good sealing capability at low bolting pressure. Resistant to oil, aromatic fuel and solvent.



## Robco H-45

### Nitrile and Cork - Sheet

Top quality nitrile and cork material that is compressible with good sealing capability at low bolting pressure. Highly resistant to oil, aromatic fuel and solvent.



## Robco H-55

### Nitrile and Cork

A nitrile and cork material with high tensile and tear strength. Perfect for high bolting pressure seals including those recommended for automotive, fuel pumps, meters and general industrial applications.



## Robco N104

### Economical Cork Sheet

Bonded cork sheet recommended as a lining and facing material, for sporting goods, bulletin boards and die cut parts.

### Robco GRC-36

Compression Set	Recovery	Density
70% Max.	80% min.	30 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
60 Duro	140 psi Min.	1 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1 10%	ASTM Fuel A 10%	55%

Ideal for the automotive aftermarket

Shore A **50 - 60**



### Robco H-35

Compression Set	Recovery	Density
80% Max.	80% min.	33 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
60 Duro	250 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1 10%	ASTM Fuel A 10%	45 %

Resistance to oil, fuels and solvents

Shore A **10 - 60**



### Robco H-35

Compression Set	Recovery	Density
80% Max.	75% min.	8 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
65 Duro	250 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1 10%	ASTM Fuel A 15%	35 %

High resistance to oil, fuels and solvents

Shore A **10 - 65**



### Robco H-55

Compression Set	Recovery	Density
55% Max.	75% min.	46 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
80 Duro	250 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1 10%	ASTM Fuel A 10%	25 %

Perfect for high bolting pressure seals

Shore A **60 - 80**



### Robco N104

Max. Temperature	Recovery	Density
250°F	80% min.	13.7 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
NA	75 psi Min.	5 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 100psi
NA	NA	40 %

Economical cork sheet for non-gasket applications





## Robco Transilcor

### Silicone and Cork

Transilcor is a premium silicone and cork material with medium compressibility and good oil resistance. A superior silicone base material for medium bolting pressure with excellent thermal stability.



## Robco Hydroil

### Vegetable Fiber Sheet

Hydroil provides fair sealability, good conformability and good resistance to petroleum oils, fuel oils and many organic solvents. This cellulose fiber gasket material with a protein and glycerin binder is a low-cost light duty, general purpose gasket material. Not intended for sealing water where exposure to drying exists.



Meets MIL-G-12803A Id No. P3313B and MIL-G-12803B/C Id No. F326128M6 specifications

## Boiler Gaskets

### Handhole and manhole gaskets

## Rubber Mats

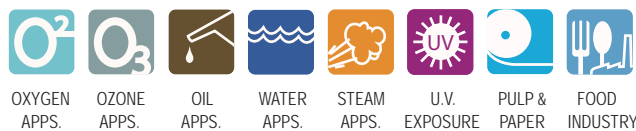
### Mats for Industrial, Commercial, Food Service, Static and Electrical Applications

## Small Parts

### Grommets, O-Rings, Washers

## Tubing

### Sleeves, Cords, Strips, Profiles and more...



## Robco Transilcor

Compression Set	Recovery	Density
70% Max.	80% min.	50 lb/ft <sup>3</sup>
Max. Hardness	Tensile Strength	Flexibility
75 Duro	350 psi Min.	3 Max. (Factor)
Thickness Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 1 10%	ASTM Fuel A 20%	28 %

Excellent thermal stability

Shore A **60 - 70**



36"L x 36"W



1/16" - 1/4"

## Robco Hydroil

Max. Temperature	Max. Pressure	Density
250°F	2000 psi	NA
Thickness Increase after immersion in		Max. Comp.
ASTM Oil 3 5%	ASTM Fuel B 5%	40%
Weight Increase after immersion in		Max. Comp. @ 400psi
ASTM Oil 3 15%	ASTM Fuel B 15%	15 %

Low cost gasket material.



36"W



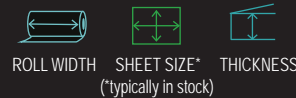
0.01" - 1/8"

Robco provides various types of gaskets for boilers, heaters and other high temperature and/or high pressure vessels.

Our rubber sheeting can be cut and manufactured as floor and surface matting specific to your application with machined groves, holes, patterns, etc. per your specifications.

We manufacture small rubber parts such as grommets, o-rings, washers, spacers, stoppers and plugs to suit your needs.

Tubing, cord and profile parts can be ordered from our wide range of specialized rubber materials such as EPDM, Viton, NBR, Nitrile, Neoprene and so much more...



**Note:** This brochure shows only the most commonly used products. Other materials and composites are available upon request. **Contact your Robco representative for technical details and additional specifications.**

**Disclaimer:** The data contained in this brochure is representative; These ratings supplied are suggested as a guideline and should only be used for evaluating your specific application. When in doubt, contact Robco. The information contained in this specification sheet should not be considered a warranty, either expressed or implied, including, but not limited to, a warranty of merchantability or fitness for a particular purpose. In no event shall Robco be liable for any incidental or consequential damages resulting from the use, misuse or inability to use the product. This exclusion applies regardless of whether such damages are sought based on breach of warranty, breach of contract, negligence, strict liability in tort, or any other legal theory.

Category	Style Number	Max Temp °F	High Temp App.	High Press. App.	Acid	Caustic	Oil	Chemical	Oxygen	Steam	Water	Gas	U.V.	Ozone	Oxidation	Alkalis	Hydro-Carbons	
		steam/liquid																
Semi-Metallic	METAL JACKET	As per material	✓		✓	✓	✓	✓		✓	✓					✓	✓	
	CORRUGATED METAL	As per material	✓		✓	✓	✓	✓		✓	✓					✓	✓	
	ENVIROFLEX SWG	As per material	✓		✓	✓	✓	✓		✓	✓					✓	✓	
	MAXIPROFILE SWG	As per material	✓		✓	✓	✓	✓		✓	✓					✓	✓	
Flexible Graphite	RING JOINT	As per material	✓	✓			✓										✓	
	200-HM	1500	✓		✓	✓	✓	✓		✓	✓					✓	✓	
	204-SFI	1500	✓		✓	✓	✓	✓		✓	✓					✓	✓	
	210-STI	1500	✓		✓	✓	✓	✓		✓	✓					✓	✓	
Compressed Materials	TOP-SIL ML1	400	✓		✓	✓	✓	✓		✓	✓					✓	✓	
	QUANTUM	660					✓				✓							
	C-4300	400-700					✓			✓	✓						✓	
	C-4401	450-750					✓			✓	✓						✓	
	C-4408	450-750		✓			✓			✓	✓						✓	
	C-4409	550-775		✓			✓			✓	✓						✓	
	C-4430	500-800	✓				✓			✓	✓						✓	
	C-4433	500-800	✓				✓			✓	✓						✓	
	C-4439	500-800	✓				✓			✓	✓						✓	
	C-4500	550-850	✓				✓			✓	✓						✓	
	C-4509	550-850	✓	✓			✓			✓	✓						✓	
	C-5400	400-725					✓											
	C-6400	400-725					✓											
	C-7400	400-675				✓			✓									
	C-8200	300-400			✓		✓		✓									✓
Mica	MILAM PSS	1832	✓									✓						
	THERMICA	752	✓															
PTFE based materials	SOFT-CHEM	500			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	TOP-CHEM 2000	482			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	TOP-CHEM 2003	482			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	TOP-CHEM 2005	482			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	TOP-CHEM 2006	482			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	ROBCHEM CF-500	500			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	ROBCHEM CF-504	500			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	ROBCHEM CF-510	500			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	SEALON	500			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	VIRGIN PTFE	500			✓	✓	✓	✓	✓	✓	✓	✓					✓	
	JOINTEX	500						✓										
	Rubber Materials	435	180									✓						
460		185									✓							
464		180									✓							
465		200									✓			✓				
466		200									✓			✓				
467		200									✓			✓				
9370		200									✓						✓	
9863		200									✓						✓	
EP-60		250									✓		✓	✓				
EPP-60		300									✓		✓	✓				
SI-60		450									✓		✓	✓				
VI-75		362			✓		✓				✓		✓	✓			✓	
423-SBR-CI		180									✓							
2919		na									✓							
5700		212									✓			✓				
5717		212									✓			✓				
Sponge Rubber		602	150									✓			✓			
		1523	160									✓			✓			
		SC-41	180									✓			✓			
		SC-42	180									✓			✓			
	SC-43	180									✓			✓				
Cork / Rubber	WHITE SILICONE	-									✓		✓	✓			✓	
	M.C. URETHANE	-									✓		✓	✓			✓	
	100N	-					✓											
	E-30	-					✓											
	E-40	-					✓											
	E-50	-					✓											
	E-70	-					✓											
	FKS	300					✓											
	GRC-36	-					✓											
	H-35	-					✓											
H-45	-					✓												
H-55	-					✓												
N104	250					✓												
TRANSILCOR	-	✓																
HYDROIL	250					✓												

Can be used for this application

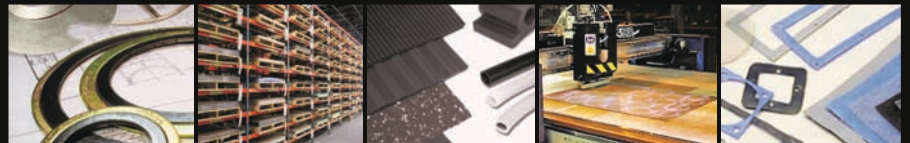
Denotes Best Choices

## Gasket & Rubber Specialists

We are passionate about problem solving. We take pride in creating substantial value for our customers using our expertise, experience, and technical resources. We believe that given the opportunity, Robco can make a tremendous positive impact on our customers' operational efficiency by extending the time between equipment failures, eliminating recurring maintenance problems, reducing leaks, and generally alleviating headaches.

Since 1911, Robco products are used everywhere in heavy industry as components of original equipment and in aftermarket maintenance and repair.

ISO 9001 and ISO 14001 Certified, our commitment to focusing on engineered solutions has fostered an alignment between our customers' satisfaction and our success while caring for our environment.



## Total Cost of Ownership

Our T.C.O. approach to problem solving often results in our customers achieving annual savings that drastically outweigh their actual purchase costs.



## Made in Canada

Robco Gaskets are manufactured at our Edmonton, Toronto and Montreal facilities ensuring unsurpassed quality control and quick turnaround times for our North American customers.



Engineered Solutions since 1911

[www.robco.com](http://www.robco.com)

MONTREAL	Tel.: 514.367.2252	Fax: 514.367.1144
MISSISSAUGA	Tel.: 905.564.6555	Fax: 905.564.6901
EDMONTON	Tel.: 780.469.0601	Fax: 780.469.0765

Email: [info@robco.com](mailto:info@robco.com)

Heat Resistant Materials - Engineered Plastics - Rubber Products - Metallic Gaskets  
Soft Gaskets - Mechanical Seals - Compression Packing - Lubricants & Greases