



# SHEET RUBBER & GASKET MATERIAL

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# SHEET RUBBER

Sheet Rubber

UIP International offers an extensive range of industrial and commercial grade sheet rubber products manufactured under strict guidelines for exceptional quality. Large inventories of a wide range of elastomers are available from stock and are ready to ship same day. Custom cut sizes, stripping, and gaskets are also available to meet the diverse needs of our customers. Blanket orders and blind shipping are available by request.

Talk to one of our highly trained customer service representatives to find the right product for your application.

EXCEPTIONAL QUALITY

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LARGE INVENTORY

-

SAME DAY SHIPPING

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DEDICATED CUSTOMER SERVICE



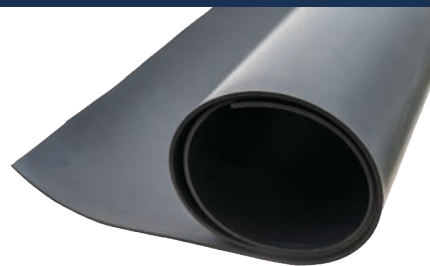
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# INDUSTRIAL SHEET RUBBER

## Commercial Grade Neoprene Sheet Type 80

A cost effective, general purpose sheet rubber with low temperature flexibility and moderate resistance to oil and gasoline. It offers very good resistance to ozone, oxygen, sunlight and natural aging. It also demonstrates good flame resistance and resists rotting, checking, and cracking due to weather exposure. Commonly used in a wide variety of applications including gasketing, sealing, skirting, cushioning and weather stripping.



### Features:

- Plate finish
  - Branding NLT 60
  - General purpose rubber
  - Available by the full roll
  - 72" width available upon request
  - Made to RMA's Specifications
- Duro: 60  
Tensile: 400 - 500 psi  
Elongation: 200%  
Temperature: -20 to 170°F  
Color: Black

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/16"	48	50	69	97
1/8"	36 or 48	50	145	194
3/16"	36 or 48	50	220	290
1/4"	36 or 48	25	145	194
3/8"	48	25	230	290
1/2"	48	25	288	384

## Neoprene CI (Cloth Inserted) Sheet Type 87

### ASTM D2000 BC-607-A14-B14-C12-F17

With a 3.4 oz. Nylon insert and Neoprene's excellent weathering and ozone resistant properties, cloth-inserted neoprene is a great choice for applications requiring maximum conformity and deformation resistance. The added nylon fabric makes it suitable for a variety of services including pads, chutes, rubber sleeves and safety guards. The inserted cloth also reduces creep in seals and gasket services. For general use where an oil-resistant rubber is required.



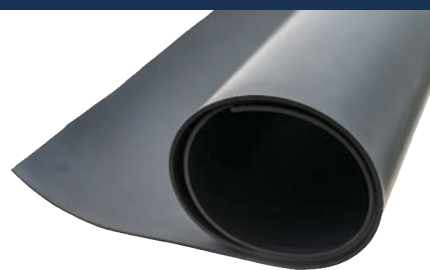
### Features:

- Plate finish
  - Insertion: Nylon 3.4 oz./sq. yd.
  - General purpose rubber
  - Available by the full roll or cut to length
  - Made to RMA's Specifications
- Duro: 60  
Tensile: 1000 psi  
Elongation: 300%  
Temperature: -20° to 180°F  
Color: Black

Gauge (in.)	Width (in.)	Length Ft./Roll	Ply	Approximate Lbs./Roll	
				36"	48"
1/16"	36 or 48	50	1	69	92
3/32"	36 or 48	50	1	104	138
1/8"	36 or 48	50	2	138	184
3/16"	36 or 48	50	2	257	276
1/4"	36 or 48	25	2	138	184

## Industrial Grade Neoprene Sheet Type 90

Designed for maximum service and performance, Industrial Grade Neoprene has excellent weathering and ozone resistant properties. It is suitable for greases, inorganic salts, fats, water, and oils. It is a great choice for various outdoor and marine applications. Despite its strong durability, it should not be used in strong oxidizing acids or esters, which will cause degradation of the material. Available in various durometers for multiple applications.



### Features:

- Plate finish
- Excellent weathering properties
- Moderate oil and ozone resistant properties
- Available by the full roll or cut to length
- Made to RMA's Specifications

Color: Black

\*1-1/4", 1-1/2", and 2" are available by special order

\*Not all sizes available in every durometer

Neoprene 40D	Neoprene 50D	Neoprene 60D	Neoprene 70D	Neoprene 80D
Tensile: 800psi Elongation: 400% Temperature: -20 ° to 180 °F	Tensile: 800psi Elongation: 400% Temperature: -20 ° to 180 °F	Tensile: 800psi Elongation: 400% Temperature: -20 ° to 180 °F	Tensile: 800psi Elongation: 400% Temperature: -20 ° to 180 °F	Tensile: 800psi Elongation: 400% Temperature: -20 ° to 180 °F

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/32"	36 or 48	50	46	61
1/16"	36 or 48	50	73	97
3/32"	36 or 48	50	109	145
1/8"	36 or 48	50	145	194
3/16"	36 or 48	50	218	290
1/4"	36 or 48	25	145	194
5/16"	36	25	180	-
3/8"	36 or 48	25	218	290
5/8"	36	25	360	-
1/2"	36 or 48	25	288	384
3/4"	36 or 48	25	432	576
1"	36 or 48	25	576	769

Sheet Rubber





## Neoprene Diaphragm Inserted Sheet Type 88

With a 14.5 oz. Nylon insert, Diaphragm Inserted Neoprene has better tear resistance than any other cloth-inserted rubber. Used for applications requiring extreme fabric strength while still maintaining Neoprene's excellent ozone and weather resistant properties.

### Features:

- Plate finish
  - Insertion: Nylon 14.5 oz. per sq./yd.
  - Mullen burst test rating over 1000 psi with 1" square opening
  - For applications requiring more fabric strength than Neoprene CI
  - Available by the full roll
  - Made to RMA's Specifications
- Duro: 60  
Tensile: 1000 psi  
Elongation: 350%  
Temperature: -20 to 170°F  
Color: Black



Gauge (in.)	Width (in.)	Length Ft./Roll	Ply	Approx. Lbs./Roll
1/16"	50	50	1	96
3/32"	50	50	1	144
1/8"	50	50	2	192
3/16"	50	50	2	288
1/4"	50	25	2	192

## Nitrile (Buna N) Cloth Inserted Sheet Type 98

### ASTM D2000 M5-BG-607-A14-B14-E034

Cloth Inserted Nitrile is the polymer of choice for dynamic applications requiring oil and solvent resistance. The 3.4 oz. nylon insert and the properties of Nitrile rubber make it an excellent choice for applications requiring oil and gasoline resistance and superior resistance to petroleum-based hydraulic fluids. Excellent stretch and tear resistance.

### Features:

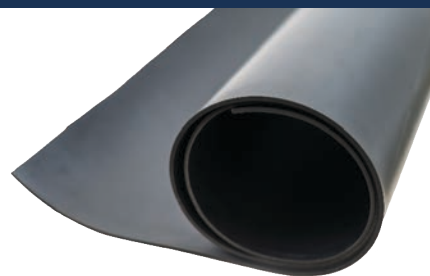
- Commercial grade
  - Nitrile with 3.4 oz. Nylon insert
  - Plate finish
  - Moderate oil and ozone-resistant properties
  - Available by the full roll or cut to length
- Duro: 60  
Tensile: 1000 psi  
Elongation: 250%  
Temperature: -20° to 180°F  
Color: Black



Gauge (in.)	Width (in.)	Length Ft./Roll	Ply	Approx. Lbs./Roll	
				36"	48"
1/16"	36	50	1	74	-
3/32"	36 or 48	50	1	110	147
1/8"	36 or 48	50	2	147	196
3/16"	36	50	2	221	-
1/4"	36	25	2	147	-

## Industrial Grade Nitrile (Buna N) Sheet Type 93

Buna N Nitrile is a synthetically produced rubber ideal for seals, gaskets and O-rings in applications requiring a highly oil-resistant material. An extremely versatile rubber, Nitrile is used in a wide range of applications from marine fuel systems to engine carburetors. In addition to its excellent resistance to petroleum based fluids, it is also good for water, alcohols, chemicals and silicone grease applications.



### Features:

- Plate finish
- For use in applications requiring a highly oil-resistant material
- Available by the full roll or cut to length
- Made to RMA's Specifications

Color: Black  
\*50 Duro Special Order

Nitrile 50D	Nitrile 60D	Nitrile 70D
Tensile: 700 psi Elongation: 300% Temperature: -20 ° to 170 °F	Tensile: 750 psi Elongation: 300% Temperature: -20 ° to 170 °F	Tensile: 750 psi Elongation: 200% Temperature: -20 ° to 170 °F

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/32"	36	50	46	-
1/16"	36 or 48	50	73	97
3/32"	36 or 48	50	109	145
1/8"	36 or 48	50	145	194
3/16"	36 or 48	50	218	290
1/4"	36 or 48	25	145	194
3/8"	36 or 48	25	218	290
1/2"	36 or 48	25	288	384

Sheet Rubber

## Premium Nitrile (Buna N) Sheet Type 99

Nitrile rubber is the common choice for gasket applications where oil is involved. Premium Nitrile performs where petroleum based fluids like gasoline, jet fuel and diesel need to be contained. An excellent choice for sealing petroleum.



### Features:

- Plate finish
- Good weathering and electrical properties
- Good heat resistance
- Excellent resistance to petroleum-based fluids
- Available by the full roll or cut to length

Duro: 70  
Tensile: 750 psi  
Elongation: 300%  
Temperature: -30° to 230°F  
Color: Black

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/8"	36 or 48	50	109	145
3/16"	36 or 48	50	218	290
1/4"	36 or 48	25	109	145

## SBR Red Rubber Sheet Type 95

Red rubber is extremely popular for gasket cutting materials due to its good physical ability to conform to uneven flange edges. It is an economical, general service option for hot or cold water, low pressure steam, gas and air applications. It should not be used in services that contain oils, grease, chlorate or strong acids. It can be water-jet fabricated or die cut to any shape.



### Features:

- Plate finish
- For general gaskets with no oil-resistant requirements
- Available by the full roll or cut to length
- 72" width available upon request

Duro: 75  
Tensile: 500 psi  
Elongation: 250%  
Temperature: -20° to 180°F  
Color: Red-brown  
\*Fabric Finish Red Rubber special order

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/32"	36	50	52	-
1/16"	36 or 48	50	83	110
3/32"	36	50	124	-
1/8"	36 or 48	50	165	220
3/16"	36 or 48	50	248	330
1/4"	36	25	165	220

## Nylon Inserted SBR Sheet Type 96

### ASTM D2000 M2-AA-603-A13-B13-EA14

Nylon Inserted SBR Rubber increases durability and stability in high compression applications. Its good physical properties and abrasion-resistance make it an ideal choice for various air, hot water, low-pressure steam, and hydraulic services. Its low resistance to oil and gas makes it a poor choice for petroleum based applications. Excellent stretch, tear and creep resistance.



### Features:

- Plate finish
- Insertion-Nylon 3.4 oz. / sq. yd.
- General use where a fabric reinforced rubber is required
- Available by the full roll or cut to length

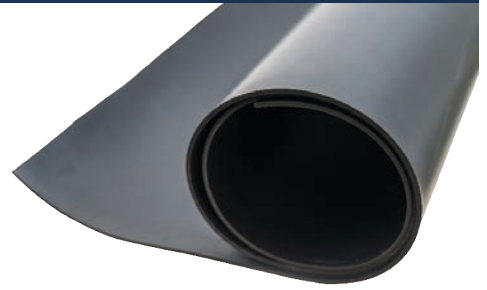
Duro: 60  
Tensile: 450 psi  
Elongation: 250%  
Temperature: -25° to 170°F  
Color: Black

Gauge (in.)	Width (in.)	Length Ft./Roll	Ply	Approximate Lbs./Roll	
				36"	48"
1/16"	36 or 48	50	1	69	92
3/32"	36 or 48	50	1	104	138
1/8"	36 or 48	50	2	138	184
3/16"	36 or 48	50	2	257	276
1/4"	36 or 48	25	2	138	184



## Peroxide Cured EPDM Sheet Type 85

A high-performing elastomer, peroxide-cured EPDM (Ethylene Propylene Diene Monomer) is one of the most commonly used elastomers for seals and gaskets because of its excellent resistance to weather, ozone and UV rays. EPDM is most commonly used in applications where there is significant environmental exposure such as in the automotive and marine industries. EPDM is also good for chemical-based fluids such as anti-freeze, synthetic detergents, acetone, boric acid, ethanol, formaldehyde, and silver nitrate. EPDM should not be used in petroleum-based applications.



### Features:

- Plate finish
- For applications requiring high temperature resistance, good ozone resistance
- Good for outdoor applications
- Peroxide cured
- Available by the full roll or cut to length

Color: Black

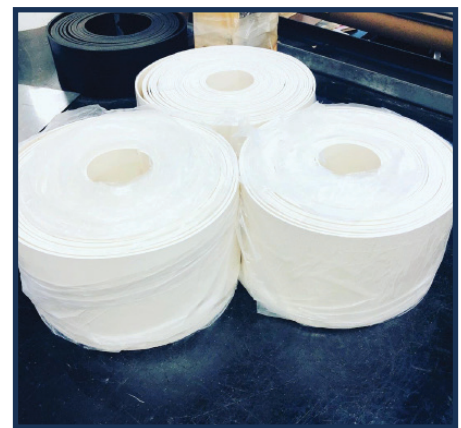
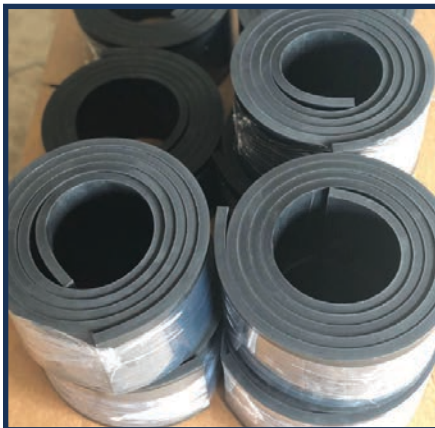
\*50 Duro Special Order

\*Not all sizes available in every durometer

EPDM 60D	EPDM 70D
Tensile: 750 psi Elongation: 300% Temperature: -40° to 210 °F	Tensile: 750 psi Elongation: 300% Temperature: -40° to 210°F

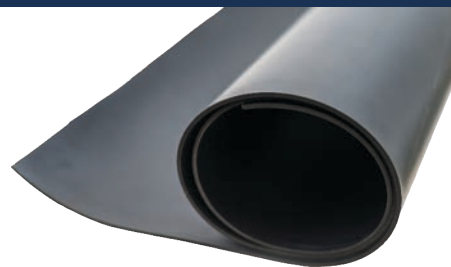
Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/32"	36	50	46	-
1/16"	36 or 48	50	73	97
3/32"	36 or 48	50	109	145
1/8"	36 or 48	50	145	194
3/16"	36 or 48	50	218	290
1/4"	36 or 48	25	145	194
3/8"	36 or 48	25	218	290
1/2"	36 or 48	25	288	384

Sheet Rubber



## CSM (Comparable to Hypalon®) Sheet Type 92

CSM/Hypalon® is known for its excellent resistance to extreme temperatures, UV light, weathering, ozone and chemicals. It is most commonly used in automotive and industrial services that require high performance and must withstand extreme weather conditions such as rubber linings, valve seals and gaskets.



### Features:

- Excellent resistance to weathering, ozone, and some chemicals.
  - Good oil resistance
  - Available by the full roll
  - Made to RMA's specifications
- Duro: 60  
Tensile: 800 psi  
Elongation: 300%  
Temperature: -20° to 210°F  
Color: Black

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/16"	48	50	-	97
3/32"	36	50	109	-
1/8"	36 or 48	50	145	194
3/16"	48	50	-	290
1/4"	36 or 48	25	145	194
3/8"	36 or 48	25	218	290

## Tan Pure Gum Sheet Type 97

Outstanding tensile strength, elongation and abrasion resistance make Tan Pure Gum Rubber an excellent choice for tubes, sleeves, and wear pads in many industrial applications. An FDA approved material, Tan Gum has low-temperature flexibility, compression set, and excellent adhesion to fabric and metals. It offers good tear strength and water resistance. It should not be used in services that expose the material to ozone conditions or petroleum-based fluids. Non-marking.



### Features:

- Plate finish
  - Soft, abrasion-resistant
  - Meets FDA requirements
  - Available by the full roll or cut to length
  - Made to RMA's specifications
- Duro: 40  
Tensile: 2500 psi  
Elongation: 600%  
Temperature: -20° to 140°F  
Color: Tan

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/16"	36 or 48	50	50	66
1/8"	36 or 48	50	149	199
3/16"	36 or 48	50	100	133
1/4"	36 or 48	25	149	199
3/8"	36 or 48	25	178	264
1/2"	36 or 48	25	198	247
5/8"	36	25	247	-
3/4"	36 or 48	25	297	396
1"	36 or 48	25	395	528

## Butyl Sheet Type 91

Commercial Grade Butyl Rubber is an excellent choice for shock absorption and has low moisture and gas permeability. It has great resistance to heat, aging, weather, ozone, chemical attack, abrasion and tearing. It is also resistant to phosphate ester-based hydraulic fluids and has excellent electrical properties. Butyl is not suitable for petroleum-based fluid applications.

### Features:

- Plate finish
  - Good weathering and electrical properties
  - Good heat resistance
  - Available by the full roll
- Duro: 60  
Tensile: 750 psi  
Elongation: 300%  
Temperature: -30° to 230°F  
Color: Black



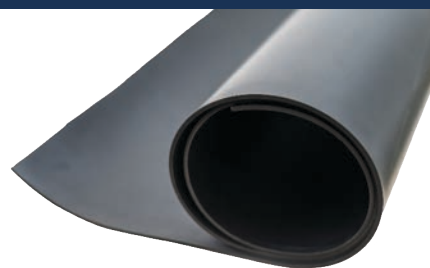
Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/16"	36 or 48	50	77	103
1/8"	36 or 48	50	155	207
3/16"	36 or 48	50	232	310
1/4"	36 or 48	25	155	207

## FKM (Comparable to Viton®) Sheet Type 100

Premium grade fluoro-elastomer, FKM offers superior performance characteristics for the most demanding applications. Outstanding resistance to high temperatures and chemical solutions, offering low compression set with extremely high levels of resistance to ozone, oil, synthetic hydraulic fluids, fuels, aromatics and mineral acids. Due to its high resistance to petroleum based fluids it is commonly used in fuel and engine systems in addition to aerospace and aircraft service industries.

### Features:

- Plate finish
  - Commercial grade
  - 66% Fluorine content
  - Available by the full roll or cut to length
- Duro: 70  
Tensile: 700 psi  
Elongation: 150%  
Temperature: -20° to 450°F  
Color: Black



Gauge (in.)	Width (in.)	Length Ft./Roll	Approx. Lbs./Roll
1/16"	48	50	97
1/8"	48	50	194
3/16"	48	50	291
1/4"	48	25	194

Sheet Rubber

## Red Silicone Sheet Type 81

Red Silicone is ideal for extreme high and low temperature applications and exhibits excellent electrical and physical properties and low compression set. It offers outstanding resistance to UV, ozone, and weathering, and is non-toxic and chemically inert. Frequently used as a gasketing material.



### Features:

- Commercial grade
  - Good weathering and electrical properties
  - Excellent resistance to extreme temperatures
  - Available by the full roll
  - Made to RMA's specifications
- Duro: 60  
Tensile: 850 psi  
Elongation: 450%  
Temperature: -40° to 350°F  
Color: Red (other colors available)

Gauge (in.)	Width (in.)	Length Ft./Roll	Approximate Lbs./Roll	
			36"	48"
1/16"	36 or 48	50	62	82
1/8"	36 or 48	50	123	164
1/4"	36 or 48	25	123	164

## Fiberglass Inserted Red Silicone Sheet Type 82

Fiberglass inserted silicone sheeting is typically used for seals or gaskets requiring a non-porous material and high operating temperatures. It has excellent resistance to weather and oil deterioration and maintains flexibility at extreme temperatures. It may be used in belting and diaphragm applications.



### Features:

- Commercial grade
  - Good weathering and electrical properties
  - Excellent resistance to extreme temperatures
  - Available by the full roll
  - Made to RMA's specifications
- Duro: 70  
Tensile: 870 psi  
Temperature: -40° to 360°F  
Color: Red

Gauge (in.)	Width (in.)	Length Ft./Roll	Approx. Lbs./Roll
1/8"	48	50	164
1/4"	48	25	164

# OTHER GASKET MATERIALS

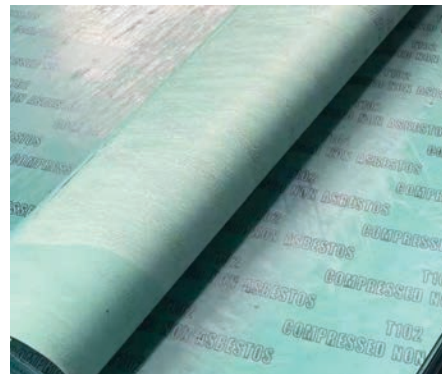
## Compressed Non-Asbestos Sheet Type 120

Our cost effective, high-performance, general purpose gasket material can be used in a wide variety of applications. This compressed fiber material offers excellent chemical and sealability characteristics while being reasonably priced. It is manufactured from synthetic fibers with a Nitrile binder system and is an exceptional gasket material for sealing liquids in high temperature applications.

### Features:

- Commercial grade
- Good weathering and electrical properties
- Excellent resistance to extreme temperatures
- Available by the full roll or cut to length

Tensile: 1600 psi  
Temperature: -100° to 700° F  
(500° F Max Continuous)  
Binder: NBR  
Color: Light Green



Sheet Rubber

Gauge (in.)	Width (in.)	Length (in.)	Approx .Lbs./Roll
1/8"	60	63	40
1/16"	60	63	20
1/32"	60	63	10
1/64"	60	63	5

## Tang Graphite Sheet Type 200

Tang Graphite is a universal material well-suited for installations with high temperatures and high pressure. It offers outstanding resistance against temperature variations and high thermal conductivity.

### Features:

Tensile Strength: 1000 psi  
Working Temperature: -330°F - 4500°F  
Compressive Strength: 11,000 psi  
Carbon Content: > 98%  
Ash Content: < 1.0%  
Compressibility: > 15%



Gauge (in.)	Width (in.)	Length (in.)
1/8"	60	60
1/16"	60	60
3/32"	60	60



# FDA GRADE SHEET RUBBER

## White FDA EPDM Sheet Type 84

White EPDM has all the great benefits of regular EPDM, including resistance to weather, ozone and UV-ray conditions. It is non-marking and meets FDA food grade requirements. Used in many food and marine grade applications.

### Features:

- FDA food grade
- Non-marking
- Plate finish
- Available by the full roll or cut to length
- Made to RMA's specifications

Duro: 60/70  
Tensile: 800 psi  
Elongation: 400%  
Temperature: -20° to 180°F  
Color: White



Gauge (in.)	Width (in.)	Length Ft./Roll	Approx. Lbs./Roll
1/16"	48	50	97
1/8"	48	50	194
3/16"	48	50	290
1/4"	48	25	194

## White FDA Neoprene Sheet Type 89

White Neoprene is a non-toxic and non-marking elastomer made from FDA food-grade compliant ingredients. This material is a great option for all food and beverage applications and pharmaceutical and cosmetics manufacturing. It demonstrates good abrasive qualities and has excellent resistance to weathering and ozone conditions. It also repels oily and greasy food products. Neoprene food grade sheets are used for gaskets, counter tops and skirting.

### Features:

- FDA food grade
- Non-marking
- Plate finish
- Available by the full roll or cut to length
- Made to RMA's specifications

Duro: 60  
Tensile: 1000 psi  
Elongation: 400%  
Temperature: -20° to 200°F  
Color: White



Gauge (in.)	Width (in.)	Length Ft./Roll	Approx. Lbs./Roll	
			36"	48"
1/16"	36 or 48	50	73	97
3/32"	36	50	109	-
1/8"	36 or 48	50	145	194
3/16"	36 or 48	50	218	290
1/4"	36 or 48	25	145	194

## White FDA Nitrile Sheet Type 94

White Nitrile is used extensively in food and pharmaceutical environments. Made from FDA-approved ingredients, it is grease and abrasion-resistant and suitable for food grade applications. It is often used in cosmetics, grocery stores, and various medical applications. White Nitrile is not suitable for weathering and ozone applications.



### Features:

- FDA food grade
  - Plate finish
  - Non-marking
  - Available by the full roll or cut to length
- Duro: 60  
Tensile: 900 psi  
Elongation: 400%  
Temperature: -20° to 200°F  
Color: White

Gauge (in.)	Width (in.)	Length Ft./Roll	Approx. Lbs./Roll	
			36"	48"
1/32"	36	50	46	-
1/16"	36 or 48	50	73	97
3/32"	36	50	109	-
1/8"	36 or 48	50	145	194
3/16"	36 or 48	50	218	290
1/4"	36 or 48	25	145	194
3/8"	36 or 48	25	218	290
1/2"	48	25	288	384

Sheet Rubber

## White FDA Grade Silicone Sheet Type 83

FDA Grade Silicone sheeting is commonly used in applications where food is present. This material has low volatility, is peroxide free and does not discolor over time. This material is ozone and UV resistant, and is an excellent gasketing material.



### Features:

- FDA food grade
  - Non-marking
  - Good weathering and electrical properties
  - Good resistance to extreme temperatures
  - Available by the full roll
- Duro: 60  
Tensile: 800 psi  
Temperature: -40° to 350°F  
Color: White

Gauge (in.)	Width (in.)	Length Ft./Roll	Approx. Lbs./Roll	
			36"	48"
1/8"	48	50	123	164

# MATTING & SKIRTBOARD RUBBER

## Corrugated Rubber Matting Type 86

Corrugated rubber matting makes for an ideal non-slip floor runner and protector. The long-lasting ribbed surface collects debris and dirt, keeping walkways clean and reducing safety hazards. Ideal for industrial, home and office buildings, where abrasion resistance and sound absorbing qualities are key and anywhere floor protection is needed.



**Features:**

- Commercial grade
- Used as a floor runner, protector
- Bottom side plate finish
- Made to RMA's specifications
- Available by the full roll and cut to length

Temperature: -20° to 180°F  
Color: Black

Gauge (in.)	Width (in.)	Length Ft./Roll	Approx .Lbs./Roll
1/8"	36	75	236
1/8"	48	75	315
1/4"	36	75	472
1/4"	48	75	630



Sheet Rubber

## SBR Skirtboard Rubber Type 101

Manufactured for strength and durability, SBR Skirtboard Rubber is the ideal choice for highly demanding industrial and construction applications. This versatile rubber is a dense and impact-absorbent synthetic elastomer with high abrasion resistance and extreme wear resistance. It helps to protect against conveyor belt wear and damage and has other useful applications including mounting pads, sealing strips, belt wipers, bumpers, snow plow blades and chute lining.

### Features:

- Commercial grade
- Used as a floor runner, protector
- Bottom side plate finish
- Available by the full roll and in cut widths

Duro: 65  
Tensile: 700 psi  
Elongation: 300%  
Temperature: -20° to 180°F  
Color: Black



Sheet Rubber

Gauge (in.)	Width (in.)	Length Ft./Roll	Approx .Lbs./Roll
1/4"	4"	50	33
1/4"	6"	50	50
1/4"	8"	50	66
1/4"	12"	50	99
1/4"	48"	50	200
3/8"	4"	50	49
3/8"	6"	50	74
3/8"	8"	50	99
3/8"	12"	50	148
3/8"	48"	50	592
1/2"	4"	50	66
1/2"	6"	50	98
1/2"	8"	50	130
1/2"	12"	50	195
1/2"	48"	50	780



# MIL-SPEC MATERIALS

In addition to our stocked sheet rubber materials, UIP offers Military Specification Grade sheet rubber products. Specially designed to meet the demanding requirements of the U.S. Military, our certified MIL-Spec materials have excellent electrical, physical, out-gassing, flammability, temperature-resistance and environmental properties.

Sheet Rubber

## MIL R-6855, Class 1 NITRILE Grade 40 & 60

Thickness Inches	Width Inches	Durometer Hardness Shore A $\pm 5$	Tensile psi	Elongation %	Compound	Temperature	Wt. Per Lin. Foot 36"	Finish
1/16 thru 1/4	48	40	1100	450	Nitrile	-55° to 180°F	1/8" - 3.07 lbs	Smooth
1/16 thru 1/4	48	60	1300	300	Nitrile	-55° to 180°F	1/8" - 3.07 lbs	Smooth

## MIL R-6855, Class 1 NEOPRENE Grade 40 & 60

Thickness Inches	Width Inches	Durometer Hardness Shore A $\pm 5$	Tensile psi	Elongation %	Compound	Temperature	Wt. Per Lin. Foot 48"	Finish
1/16 thru 1/4	48	40	1300	500	Neoprene	-55° to 180°F	1/8" - 3.6 lbs	Smooth
1/16 thru 1/4	48	60	1500	300	Neoprene	-55° to 180°F	1/8" - 3.6 lbs	Smooth

## MIL G-1149, Type 1 Class 1 NEOPRENE BLEND Grade 50

Thickness Inches	Width Inches	Durometer Hardness Shore A $\pm 5$	Tensile psi	Elongation %	Compound	Temperature	Wt. Per Lin. Foot 48"	Finish
1/16 thru 1/4	48	50	1000	300	SBR Blend	-20° to 170°F	1/8" - 3.33 lbs	Smooth

## MIL R-2765, 1 NITRILE Grade 45

Thickness Inches	Width Inches	Durometer Hardness Shore A $\pm 5$	Tensile psi	Elongation %	Compound	Temperature	Wt. Per Lin. Foot 36"	Finish
1/16 thru 1/4	48	45	1000	300	Nitrile	-20° to 170°F	1/8" - 3.33 lbs	Smooth



# OTHER PRODUCTS WE OFFER

## EXPANSION JOINTS & METAL HOSE



## INDUSTRIAL HOSE



Sheet Rubber

## AIC COUPLINGS



## HYDRAULIC HOSE & ASSEMBLIES



# CAPABILITIES

## GASKETS , SEALS & RUBBER STRIPPING



**+ CNC KNIFE CUTTING**

**+ DIE CUTTING**

**+ STRIPPING**

**+ CUSTOM DESIGN**





# CNC KNIFE CUTTING

## CUSTOM CUTTING CAPABILITIES

### CNC KNIFE CUTTING:

Designed for quick turnaround of large scale non-metallic materials, the CNC Knife Cutting Machine uses advanced technology to ensure precision and accuracy on single or large production runs.

### DIE CUTTING:

Our top-performing, versatile cutting press cuts both roll or sheet form materials with high trolley displacement speed, low energy consumption and excellent reliability allowing for great cutting quality at cost-effective prices.

### STRIPPING:

Hard to find, hand-cut stripping of rubber materials in lengths of up to 50 feet. All types of synthetic rubbers available.

### CUSTOM:

UIP delivers custom gasket manufacturing to a wide range of industries. From marine applications to electrical, to appliances, we offer the cutting abilities and technology required to create the exact gasket you need for your project.



**CLICKER PRESS**

# ELASTOMERS

Rubbers or elastomers are mixed with various chemicals in order to provide the reinforcement and curing ingredients required to produce the physical properties necessary for the service conditions.

Sheet Rubber

Polymers Most Commonly Used in Sheet Rubber			
ASTM Designation D1418-79	Common Name	Composition	General Properties
NR	Natural	Isoprene, natural	Excellent physical properties including abrasion and low temperature resistance. Poor resistance to petroleum-based fluids.
IR	Polyisoprene	Isoprene, synthetic	Similar to natural rubber
SBR	SBR	Styrene-butadiene	Good physical properties and abrasion resistance. Poor resistance to petroleum based-fluids.
CR	Neoprene	Chloroprene	Good weathering resistance. Flame retarding. Moderate resistance to petroleum-based fluids. Good physical properties.
NBR	Buna N	Nitrile-butadiene	Excellent resistance to petroleum-based fluids. Good physical properties
IIR	Butyl	Isobutene-Isoprene	Very good weathering resistance. Excellent dielectric properties. Low permeability to air. Good physical properties. Poor resistance to petroleum-based fluids.
EPDM EPM	Ethylene-propylene rubbers	Ethylene-propylene-diene Ethylene-propylene	Excellent ozone, chemical, and aging resistance. Poor resistance to petroleum-based fluids.
FPM or FKM	Viton®, Flourel	Hexaflouro-propylene-vinylidene fluoride	Excellent oil and air resistance at both high and low temperatures. Very good chemical resistance.

\*From Rubber Manufacturers Association Sheet Rubber Handbook, 3rd Edition

## General Properties of Common Polymers Used in Sheet Rubber

	Neoprene	Nitrile	EPDM	SBR	CI	Pure Gum	Silicone	Viton	CSM
Heat Aging	Good	Good	Excellent	Good	Good	Good	Excellent	Excellent	Good
Abrasion Resistance	Excellent	Excellent	Very Good	Good	Good	Excellent	Poor	Fair	Fair
Compression Set	Fair	Fair	Fair	Good	Good	Good	Fair	Good	Good
Resilience	Excellent	Good	Good	Good	Good	Outstanding	Fair	Fair	Fair
Tear	Good	Good	Good	Fair	Good	Good	Good	Fair	Fair
Flame Resistance	Excellent	Poor	Very Poor	Very Poor	Very Poor	Very Poor	Fair	Good	Good
Weathering	Very Good	Fair	Excellent	Fair	Fair	Fair	Good	Excellent	
Ozone Resistance	Very Good	Very Poor	Good	Fair	Fair	Poor	Good	Excellent	
Gas Permeability Resistance	Good	Good	Good	Good	Good	Good	Poor	Poor	Poor
Oil Resistance	Good	Very Good	Very Poor	Poor	Poor	Very Poor	Fair	Good	Fair
Gas Resistance	Good	Excellent	Very Poor	Poor	Poor	Very Poor	Poor	Poor	Poor
Acid Resistance	Good	Good	Good	Fair	Fair	Good	Poor	Good	Good
Alkalai Resistance	Good	Good	Good	Fair	Fair	Good	Poor	Good	Good

### Please Note:

The properties shown on the General Properties Chart are not intended to be used to make final choices for a specific application. Exposure to heat, sunlight, chemicals, ozone and oils, as well as pressure, tension, binding, stretching and folding will affect the performance of a rubber product.

Suitability must be determined by a qualified professional.



## Commercial Tolerances

(From Rubber Manufacturers Association Sheet Rubber Handbook, Second Edition)

Nominal Thickness Inches (up to but not including)		
Fractions	Decimals	Tolerances (inches)
under $\frac{1}{32}$	under .031	.010
$\frac{1}{32}$ to $\frac{1}{16}$	.031 to .062	.012
$\frac{1}{16}$ to $\frac{1}{8}$	.062 to .125	.016
$\frac{1}{8}$ to $\frac{3}{16}$	.125 to .187	.020
$\frac{3}{16}$ to $\frac{3}{8}$	.187 to .375	.031
$\frac{3}{8}$ to $\frac{9}{16}$	.375 to .562	.047
$\frac{9}{16}$ to $\frac{3}{4}$	.562 to .750	.062
$\frac{3}{4}$ to 1	.750 to 1.00	.094
1 and over	1.00 and over	10%

## Storage of Rubber Products

Rubber products in storage can be adversely affected by the following items:

- Temperature
- Humidity
- Ozone
- Sunlight
- Oils
- Solvents
- Corrosive liquids and fumes
- Insects and rodents
- Radiation

The warehousing area should be relatively cool, dark and free from dampness and mildew. All items should be stored on a first-in, first-out basis, since even under these conditions, an unusual length of shelf life could deteriorate certain products.

The ideal storage temperature for rubber products is 50° to 70°F with a maximum limit of 100°F. If stored below 32°F, some products may become stiff and should be warmed before being placed into service. Rubber products should not be stored near sources of heat, such as radiators and base heaters or under conditions of high or low humidity.

To protect against the adverse effects of ozone, rubber products should not be stored near electrical equipment that may generate ozone and should not be stored for any lengthy period in geographical areas of known high ozone. Conditions of direct and reflected sunlight should also be avoided.

Certain rodents and insects thrive on rubber products. Adequate protection should be provided.

Whenever feasible, rubber products should be stored in their original shipping containers, especially when such containers are wooden crates or cardboard cartons. This provides protection against the deteriorating effects of oils, solvents, and corrosive liquids, and will afford some protection against sunlight.

## Conditions of Sale

**General:** These Conditions of Sale ("Conditions") apply to the sale of goods by UIP International, Inc. ("Seller"). The Seller will not be bound by any other agreements, contract, modification or waiver of these Conditions unless expressly approved in writing by an authorized employee or agent of Seller.

**Delivery:** Unless otherwise agreed in writing, delivery is F.O.B. Seller's warehouse for sales from Seller's stock, and delivery is F.O.B. Purchaser's warehouse for direct container shipments. Regardless of whether delivery is F.O.B. Seller's warehouse or Purchaser's warehouse, the responsibility for payment of freight, insurance, duty and other costs shall be determined by the agreed terms of the particular sale. Seller has choice of routing and may deliver goods in more than one lot. Each lot shall be deemed a separate contract and paid for separately. Any delivery made within thirty (30) days of the agreed date shall constitute timely delivery and delivery of goods any time thereafter shall be timely delivered unless Seller receives written notice of cancellation by certified or registered mail five days prior to shipment. Seller shall be permitted quantity variations of ten percent (10%) more or less than specified, with the price being adjusted accordingly.

**Freight Policy:** Seller prepays shipments of \$2500 to any one (1) continental U.S.A. location on shipments from warehouse.

**Prices:** All prices shown on Seller's catalogs or other price lists are subject to change without notice. If Seller's costs are increased between the date Purchaser's order is accepted and the date of delivery by increases in transportation costs, port dues, wharfage, tolls, loading charges, insurance rates, import or export taxes, customs duties, customers appraisals, currency conversion rates, or governmental action of any kind, Seller may increase the price accordingly by notifying Purchaser.

**Payment Terms:** Seller's payment terms are ½% 10 net days from invoice date or 30 days net.

**Taxes:** Seller's prices do not include any applicable Federal, State or local property, license, privilege, sales, use, excise, gross receipts or other like taxes which may be now or hereafter applicable to, measured by, or imposed upon or with respect to this transaction, the goods, their sale, value or use, or any services performed in connection therewith, which taxes will be paid by Purchaser.

**Set-offs:** Neither Purchaser nor any affiliated company or assignee shall have the right to set off against any amounts which may become payable to the Seller under this contract or otherwise, for amounts which the Seller may allegedly or in fact owe the Purchaser or any affiliated company or assignee, whether arising out of this contract or otherwise.

**Force Majeure:** Seller shall not be liable for loss, damage, detention or delay due to war, riots, civil insurrection or acts of the common enemy, fire, flood, strikes or labor difficulties, acts of civil or military authority including governmental laws, orders, priorities or regulations, acts of the purchaser, embargo, car shortage, wrecks or delay in transportation, inability to obtain necessary labor, material or manufacturing facilities, or other causes beyond the reasonable control of the Seller. In the event such delays exceed ninety (90) days, Purchaser shall have the option to cancel its order upon written notice to the Seller prior to shipment.

**Return of Goods:** Purchaser may not cancel or modify any order except upon payment to the Seller of such damages, handling charges or other cancellation charges as may be mutually agreed in advance between the parties in writing.

**Cutting Fee:** There is a 20% cutting fee for lengths shorter than full roll. Please call for specialty cut widths and lengths.

**Warranties:** Seller warrants that the goods conform to the written description, if any given to Purchaser by Seller, and that the goods are free from defects in workmanship and material at the time of shipment by Seller. Seller warrants no length or measure of service unless expressly agreed in writing by Seller. This Warranty shall not apply to goods which have been destroyed, lost, disposed of or are otherwise unavailable for inspection by Seller.

**THE SELLER MAKES NO OTHER WARRANTY OR REPRESENTATION AND EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO REPRESENTATIONS OR PROMISES BEYOND THOSE STATED HEREIN.**

**Limitation of Liability:** In the event it is finally determined that the Seller has breached its warranty, Purchaser's sole and exclusive remedy is to require Seller to replace such goods without charge or refund that portion of the price allocatable to such goods, whichever Seller elects at its option. In no event will Seller be liable to Purchaser or to any third party or any other person for any consequential, incidental, indirect, special or punitive damages arising from any cause whatsoever, whether or not such loss or damage is based on contract, warranty, negligence, indemnity, strict liability or otherwise. Under no circumstances will the aggregate liability of Seller to Purchaser and/or other persons exceed the sales price of the goods in question.

**Return of Goods:** Purchaser may return goods only upon approval by the Seller, evidenced by valid returned goods authorization (RGA) number issued to Purchaser by Seller. If approved, conforming goods shall be subject to a handling charge equal to 20% of the purchase price. Purchaser shall bear the cost of return freight and risk of loss of the goods. In the event that the returned goods are found by Seller to be non-conforming and a credit, adjustment or replacement is allowed, Seller shall refund Purchaser's cost of return transportation.

**Charge on Overdue Accounts:** A charge of 1½% per month or the highest rate permitted by law shall be payable on all overdue accounts.

**Assignment:** This contract may not be assigned by Purchaser without the prior written consent of Seller.

**Severability:** In the event that any provision of this contract is held invalid by a court of competent jurisdiction, the remaining terms shall remain in full force and effect.

**Claims and Limitation on Actions:** Claims of non-conformity or defect must be made by certified mail, return receipt requested, within sixty (60) days of Purchaser's receipt of the goods and any such claims not timely made in this manner shall be considered waived by purchaser. Any lawsuit or other action brought by Purchaser to enforce any claim or alleged claim against Seller with respect to goods sold by Seller to purchaser must be commenced within one (1) year after the alleged cause of action against Seller has accrued, notwithstanding a long applicable statute of limitations under law.

**Damage and Shortage Claims:** All claims for concealed loss or damage should be reported immediately to our Customer Service Department. All claims for damage and shortage via common carrier must be filed by consignee direct with carrier. Claims must be filed within 15 days of receipt of shipment.

**Governing Law:** These conditions shall be construed in accordance with the laws of the State of Florida, and the respective rights and obligations of the Purchaser and Seller will be governed by the laws of the State of Florida.

## ORDERING NOTES

# Sheet Rubber

[illegible]



INTERNATIONAL

WHERE QUALITY IS THE STANDARD



# We Keep Your Business Flowing



**Dependable products  
maximizing efficiency.**

**So you can focus on what matters.**



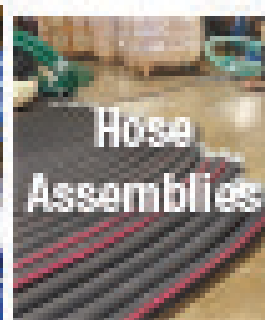
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