

*Gaskets, Sub-Assemblies, Slit Goods, Sheet Materials, Extruded & Molded Parts*  
**Smoke, Flame & Toxicity Tested Rubber Materials**



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## Flame, Smoke & Toxicity Tested Rubber Materials

Tested to the most stringent industry standards.

- **ASTM E 162**
- **ASTM E 662**
- **ASTM C 542**  
(ASTM C 1166 procedure)
- **ASTM E 1354**
- **BSS 7239**
- **SMP 800 C**

NOTE: Materials comply with specifications NFPA 130, 49CFR 238 for elastomers

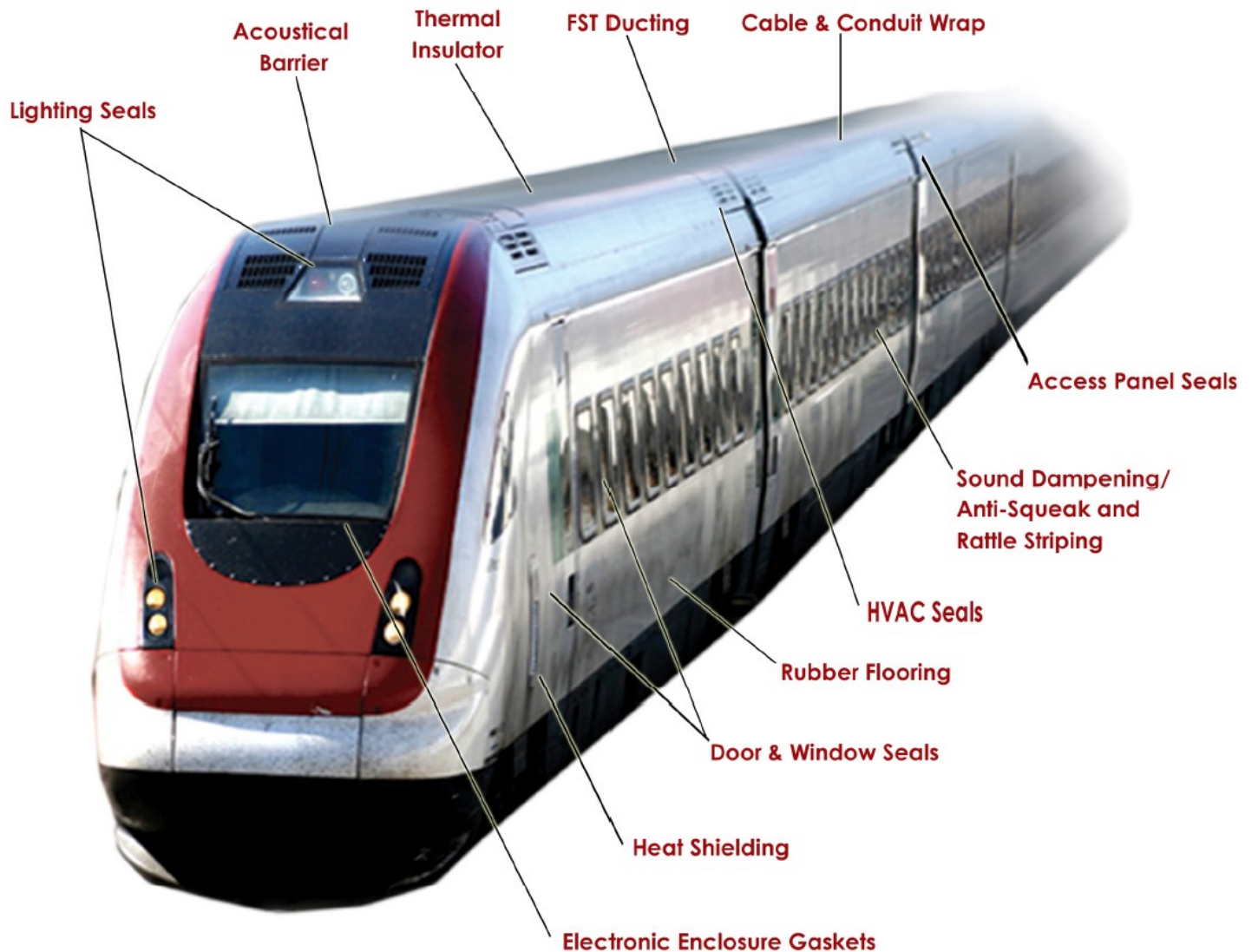
### Extremely Low Smoke, Toxicity & Flame Spread



Chamberlin Rubber Company, Inc.

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

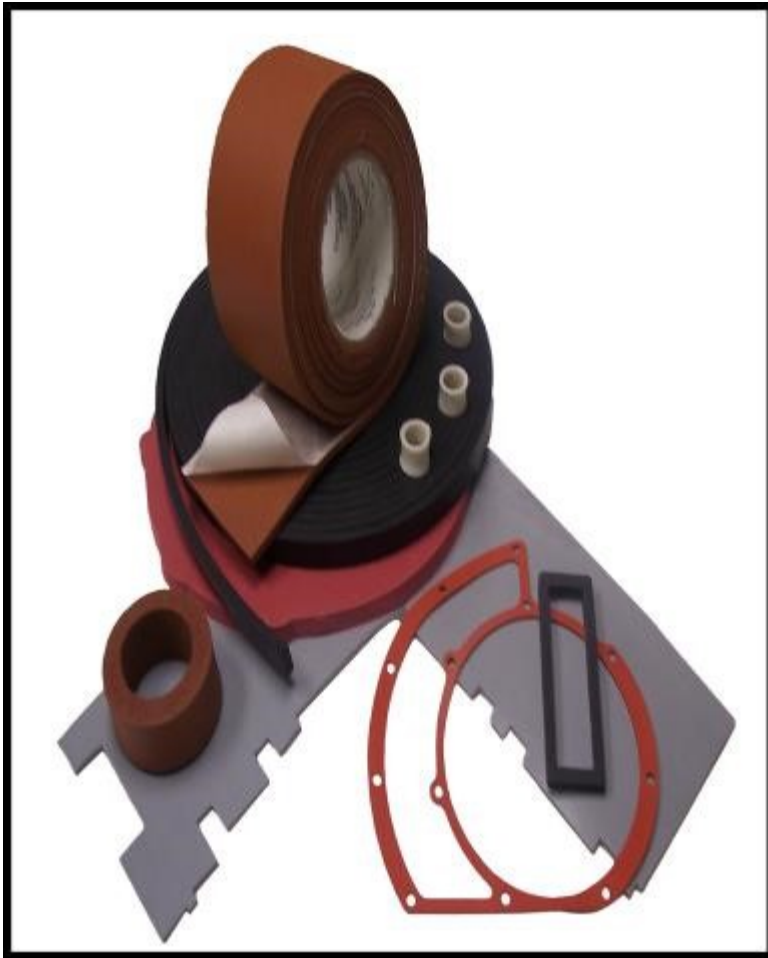
**Chamberlin Rubber Company, Inc.** is a supplier of custom die-cut gaskets, pads, strips, and sub-assemblies as well as extruded and molded parts. We supply window extrusions, door seals, rubber cleats, strips, bumpers, roof panel seals, HVAC seals, battery door gaskets, FST ducting and various other materials for ceiling and wall insulations, flooring, sub-flooring, and anti-vibration.



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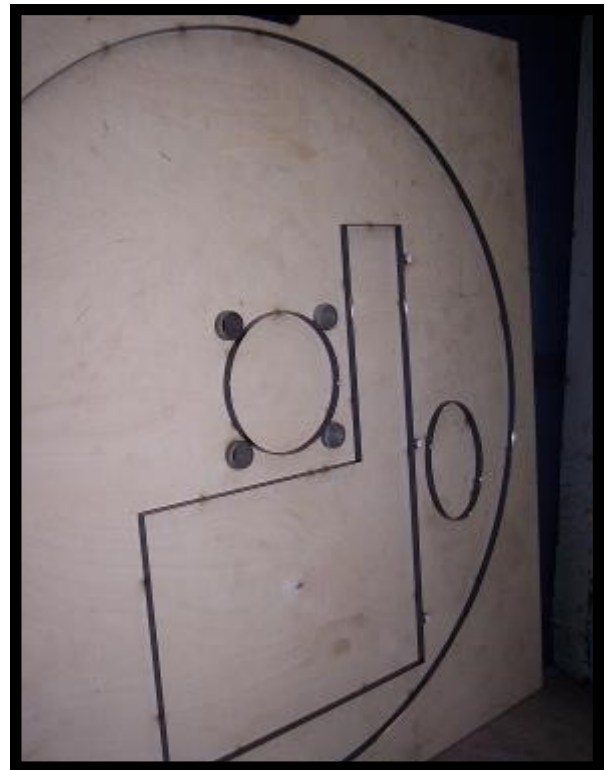




Chamberlin Rubber Company, Inc. supplies solid neoprene, closed-cell neoprene and other elastomeric materials all of which can be custom die-cut in our on-site manufacturing facility.

The program-controlled converting process, from the material feed to the finished parts, ensures that our finished gasket will meet customer specifications. Chamberlin Rubber Company, Inc. produces consistently reliable gaskets and sealing products for you. We understand that the integrity of your products are directly effected by the components we provide.

Converting only from the most reliable materials available allows us to meet your critical tolerances. The finished products withstand specified temperature, load and pressure conditions based on the requirements for your application. Whether you require standard or custom die-cutting, kiss-cutting, water-jet cutting, laminating, or bulk slitting Chamberlin provides precision products. We will also design and build prototype tooling and dies for unique or new applications. The dies can be forged, laser cut or steel rule as required.



## SCE41NEO Sponge Chloroprene (neoprene) Rubber

We have a closed cell chloroprene sponge. This material is similar to weather stripping you may have around the house, but of course it has been tested to smoke, flame, and toxicity requirements for passenger rail cars.

The material is considered a low density closed cell sponge, with a 7-11 PCF density rating. Again, we can take this black/ dark gray material and die cut it to any custom shape, slit into strips, or slit into rolls to any width up to 42" wide. We can apply adhesive to this material as well for ease of applications. Most rolls we make are 50 feet in length, some thicknesses are shorter. Standard thicknesses available are .063", .125", .187", .250" .375", .50". Larger sizes up to 2" thickness are available as well as metric thicknesses, but may be limited to 42" x 72" sheets.

The material and adhesive are tested to ASTM E162, ASTM E662, ASTM E1354, ASTM C1166, SMP800C and BSS7239 smoke, flame, and toxicity requirements.

This material is also great for packing, spacers, anti-vibration or acoustical applications. Material complies with standards NFPA -130 Table 8.4.1 and 49 CFR238 appendix B for all elastomers, thermal and acoustical insulation, and light diffusers. Latest specification sheet and test reports are available upon request.



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## 35AA Solid Chloroprene (neoprene) Rubber



Our solid chloroprene rubber elastomer, which is a  $65 \pm 5$  durometer shore A hardness and 2000 PSI tensile strength, is available in continuous length rolls up to 36" and 48" wide, depending on thickness. This same compound is used for our molded parts.

The 35AA is a great material to use for spacers, packing, anti-vibration or as anti-squeak tape. We can die cut material into custom shapes, strips, or master rolls, and slit rolls to custom widths.

Need to keep the material in place for installation temporarily or permanently, no problem! We can apply a primer and acrylic adhesive with release liner on one side to all rolls, strips, or die cut parts. This frees up your labor time trying to apply messy liquid adhesives or cleaning up after application. These you peel and stick, throw the release liner away, job done. We have material available in thicknesses of .020", .063", .125", .187", .250" .375"; larger sizes up to 2" thickness are available as well as metric thicknesses, but may need to be in 36" x36" sheets.

The 35AA chloroprene is black/dark gray color and has been tested to ASTM E162, ASTM E662, ASTM E1354, ASTM C1166, SMP800C and BSS7239 smoke, flame, and toxicity requirements. This material complies with standards NFPA -130 Table 8.4.1 and 49 CFR238 appendix B for all elastomers. Latest specification sheet and test reports are available upon request.

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## Flex 35 Solid Chloroprene (neoprene) Rubber

Our Flex 35 compound is a solid chloroprene rubber elastomer, with  $70 \pm 5$  durometer shore A hardness, and 1500 PSI tensile strength. It is used to extrude custom profiles for window gasketing, door edges and seal, sweeps, u-channels and just about any other profile design you can think of. It can even be used to mold in some instances.

We can apply adhesive to certain parts for the profile, cut holes or slots anywhere along its length. These are done as secondary processes to the extrusion.

The Flex 35 material is a black/dark gray color and has been tested to ASTM E162, ASTM E662, ASTM E1354, ASTM C1166, SMP800C and BSS7239 smoke, flame, and toxicity requirements. This material complies with standards NFPA -130 Table 8.4.1 and 49 CFR238 appendix B for all elastomers. Latest specification sheet and test reports are available upon request.





## Silicone 35, a Silicone Rubber

For those extreme heat applications where a solid material is needed, its hard to beat a silicone material. Not just any silicone, one that's been tested to the rigors of the smoke, flame, and toxicity requirements for passenger rail cars

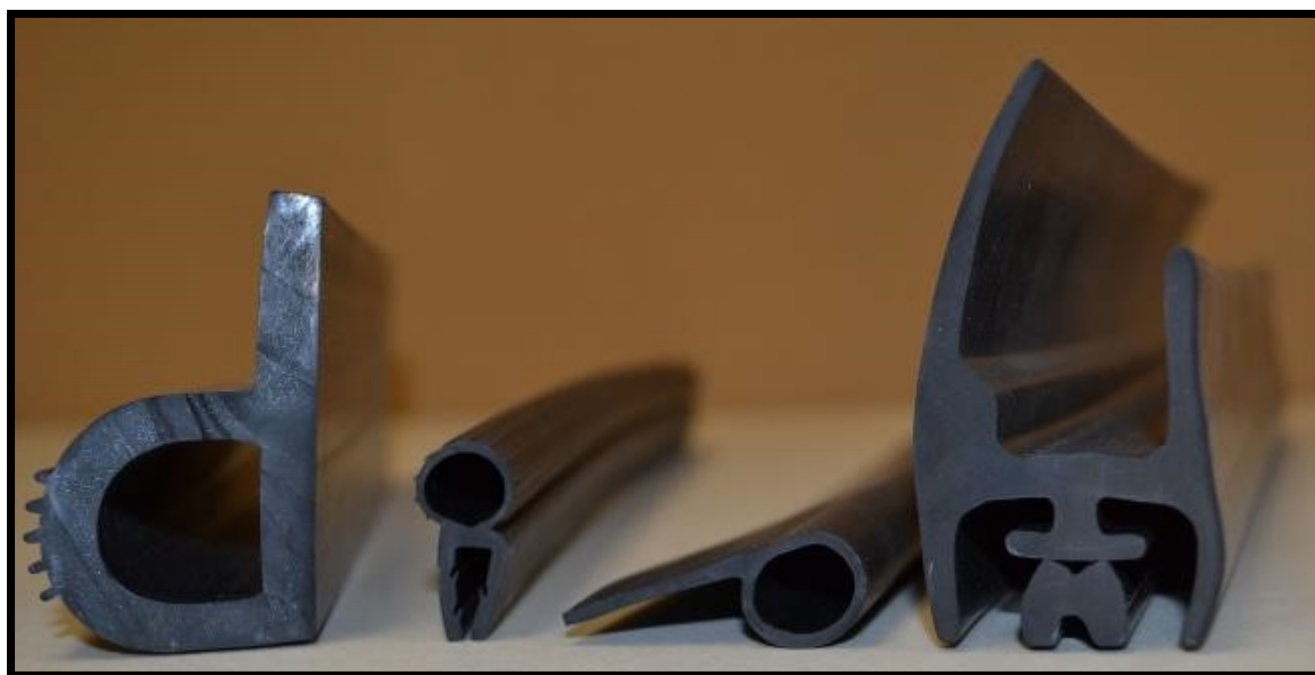
We can offer 3 types of the silicone to meet your needs; all have their place in your applications. Although we do not stock sheets or rolls of this material we can mold and extrude it.

Our Silicone 35 in 40  $\pm$ 5 durometer shore A hardness, black/dark gray in color. We use this product for molding parts

Our Silicone 35 in 65  $\pm$ 5 durometer shore A hardness, black/dark gray in color. We use this product for extruding parts

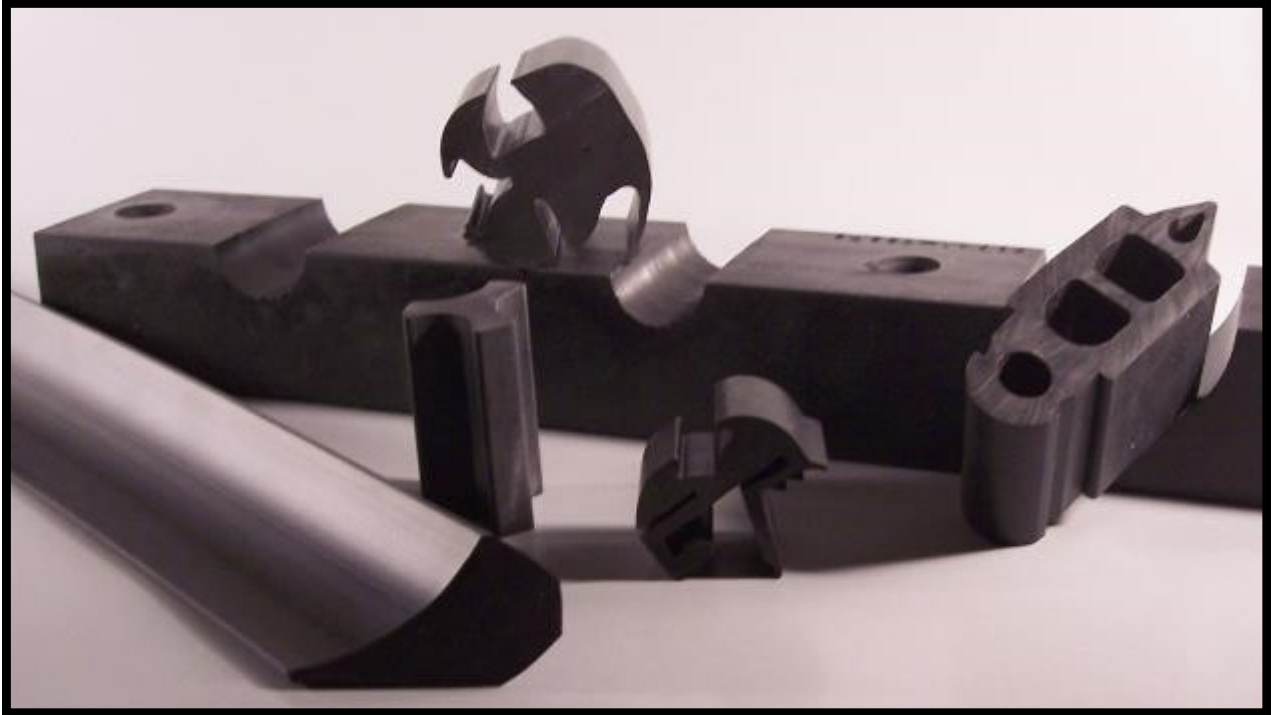
Our Silicone 35 in 70  $\pm$ 5 durometer shore A hardness, red/orange in color. We use this product for molding parts

The silicone 35 has been tested to ASTM E162, ASTM E662, ASTM E1354, ASTM C1166, SMP800C and BSS7239 smoke, flame, and toxicity requirements. Material will comply with standards NFPA -130 Table 8.4.1 and 49 CFR238 appendix B for all elastomers. Latest specification sheet and test reports are available upon request



Chamberlin Rubber Company, Inc.

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

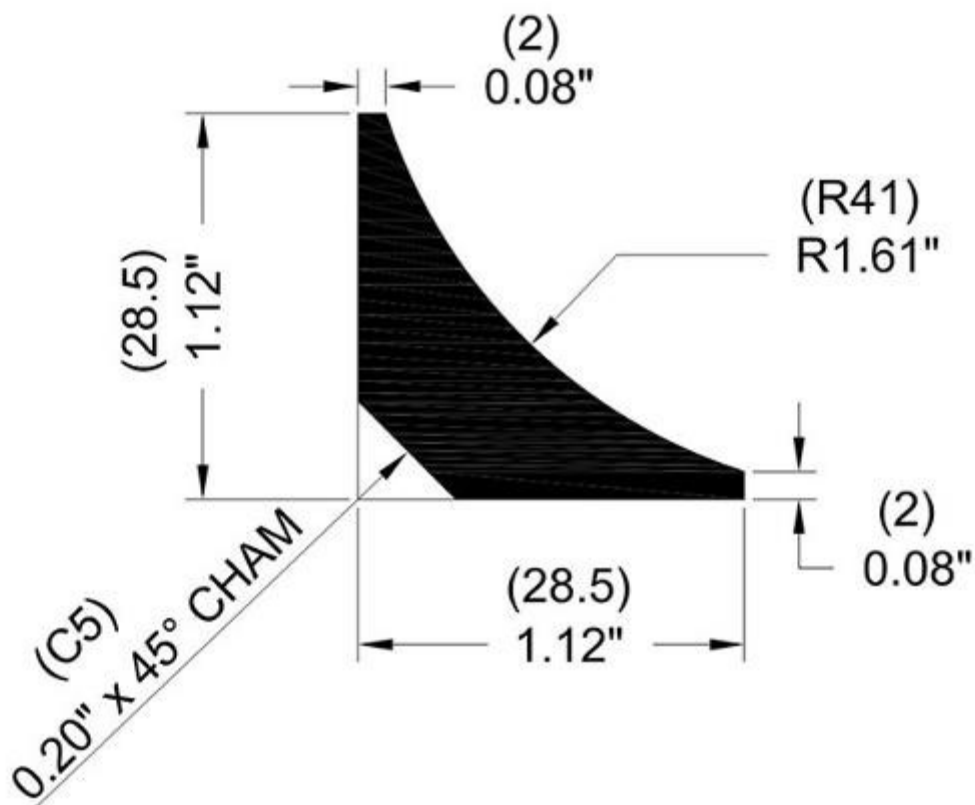


Chamberlin Rubber Company, Inc. can supply extruded and molded parts including; window extrusions, door seals, rubber cleats, bellows, roof panel seals, bumpers, battery door seals, grommets, O-rings and various other materials for ceiling and wall insulation, flooring, and sub-flooring and anti-vibration.

Whether an application needs to comply with Federal Railway Administration (FRA) requirements, or not, we work with our customer to provide custom extruded and molded parts to meet their highest needs.

***Chamberlin Rubber Company, Inc. has shorter lead times than the industry standard.***

## Railcar Profiles



**Custom Extrusions Made to Customer Specifications**

*Extrusions depicted in this catalog are for reference only.*

**Chamberlin Rubber Company, Inc.**

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

# Y-Shaped



Y-1



Y-2



Y-3



Y-4



Y-5



Y-6



Y-7



Y-8



Y-9



Y-10

# U-Channels



U-1



U-2



U-3



U-4



U-5



U-6



U-7



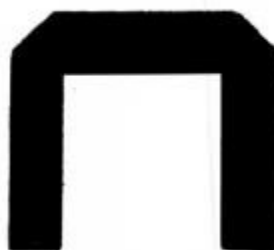
U-8



U-9



U-10



U-11



U-12



# U-Channels



U-13



U-14



U-15



U-16



U-17



U-18



U-19



U-20



U-21



U-22



U-23



U-24

P, D & Hollow



PDH-1



PDH-2



PDH-3



PDH-4



PDH-5

# Floor Fillers



FF-1



FF-2



FF-3



FF-4



FF-5



FF-6



FF-7

# Door Sweeps



DS-1



DS-2



DS-3



DS-4



DS-5



DS-6



DS-7

# Custom Shapes



CS-1



CS-2



CS-3



CS-4



CS-5



CS-6



CS-7



CS-8



CS-9



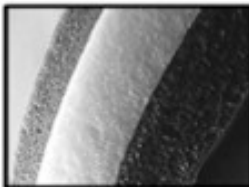
CS-10



Bisco® Silicones are a series of versatile, fire retardant elastomers that offer many significant benefits for gasketing, cushioning, and noise control inside railcars. Their unmatched resistance to stress relaxation and structural damage (compression set) enhances the materials' ability to continuously provide vibration isolation, shock absorption, sound reduction, and sealing in railcar interiors. The unique formulations of Bisco® Silicones also allow them to safely resist the propagation of flame while emitting very low amounts of toxic smoke. They are manufactured within tight tolerances to precise increments of thickness and hardness, offering engineers a wide range of design solutions.



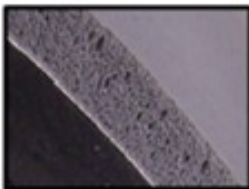
Compressibility, softness and durability allow **BF 1000** to adapt to various environments making it an ideal choice for sealing outdoor enclosures, protecting electronics from shock and heat, and providing cushioning or vibration isolation for various applications.



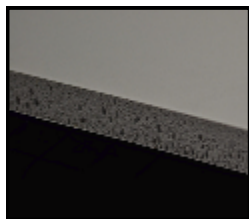
**Bisco® BF 2000** is a highly compressible silicone foam. The combination of low weight and softness makes this flame retardant foam ideal for transportation, industrial and electronics applications where low closure force and dust sealing are critical.



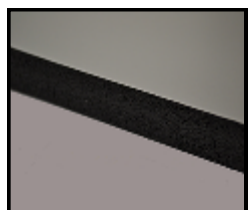
**HT 800** is a highly versatile, medium firmness silicone that offers the lightness of a foam with the enhanced sealing capabilities of a traditional sponge rubber. It is used to seal and protect various outdoor communications, electronics and lighting enclosures while providing protection against wind driven rain, and fire.



**HT 820** is a firm grade silicone that offers improved durability and sealing. It is used to seal and protect outdoor communications and electronic enclosures from small dust particles, wind driven rain, and fire. It offers a higher tear and tensile strength than the lighter grade foams.



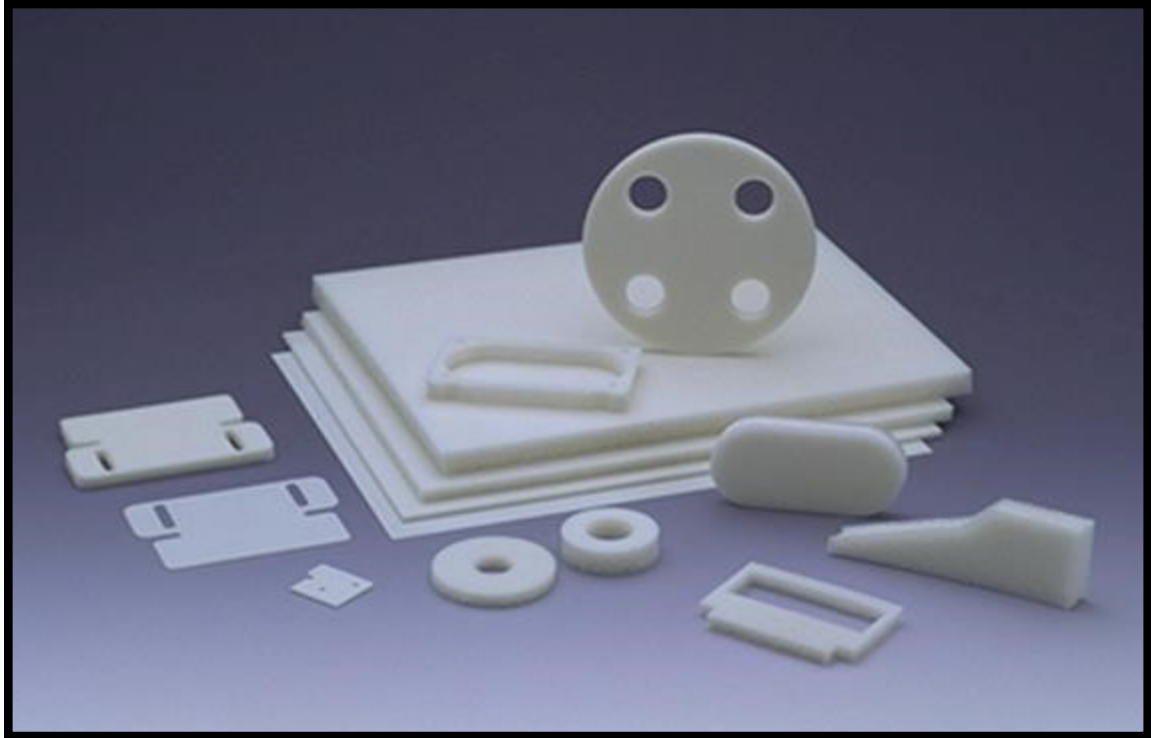
**HT 840** is a very firm grade silicone foam that offers the enhanced sealing capabilities of a sponge rubber. It is used to seal and protect various outdoor communication, lighting, and electronic enclosures from small dust particles, wind driven rain, and fire. It offers a higher tear and tensile strength than lighter grade foams.



**HT 870** A firmer and denser version of the BF-1000 product, HT 870 is also designed to seal and cushion within various environments such as automotive airbags and consumer appliances.

*\* Test Reports Available Upon Request.*

## Extra Soft Silicone



Compressibility, softness, and durability allow BF 1000 to adapt to various environments making it an ideal choice for sealing outdoor enclosures. Protecting electronics from shock and heat, and providing cushioning or vibration isolation for various applications.

### Features and Benefits:

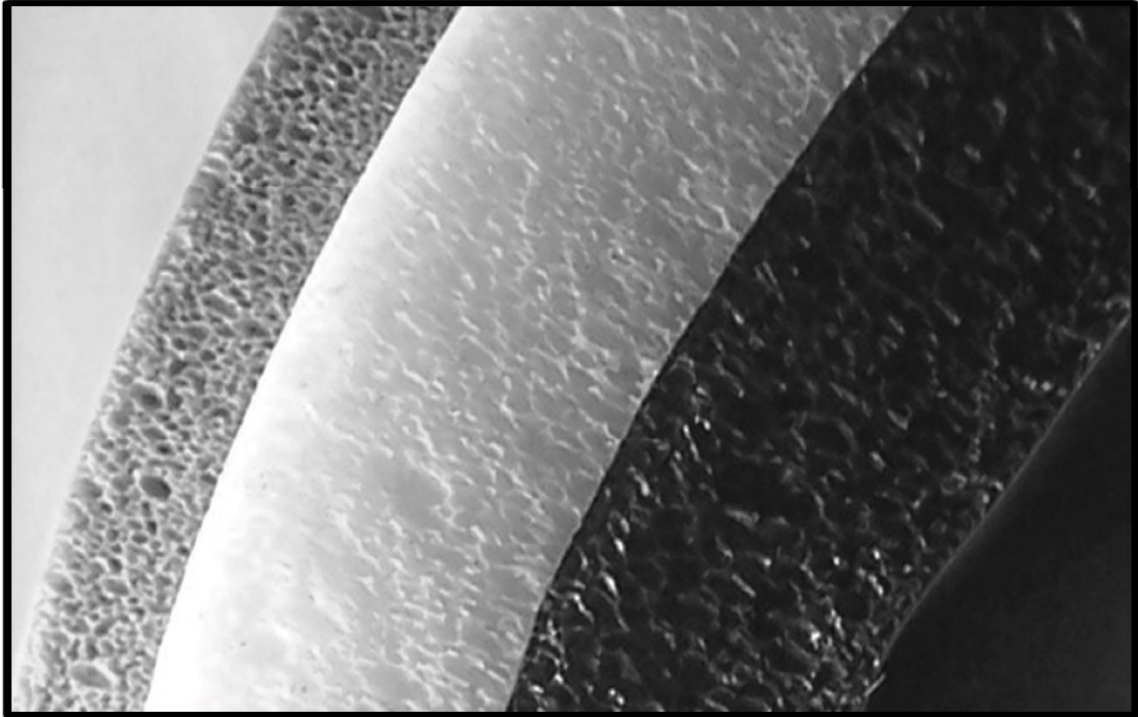
- ◆ Excellent memory and low stress relaxation reduces maintenance costs associated with gasket failures due to compression set and softening.
- ◆ Softness allows designers to use less force to seal enclosures and still protect their device from the environment.
- ◆ *Available with or without pressure sensitive adhesive.*

### Applications:

- ◆ Environmental seals to protect against penetration of dust, moisture, air or light within outdoor enclosures such as lighting fixtures, HVAC units, and electronic cabinets.
- ◆ Vibration isolation in electronic components and transportation vehicles.
- ◆ Fire resistant thermal insulation.

*\* Test Reports Available Upon Request.*

## Ultra Soft Silicone



Bisco® BF 2000 is a highly compressible silicone foam. The combination of low weight and softness makes this flame retardant foam ideal for transportation, industrial, and electronics application where low closure force and dust sealing are critical.

### Features and Benefits:

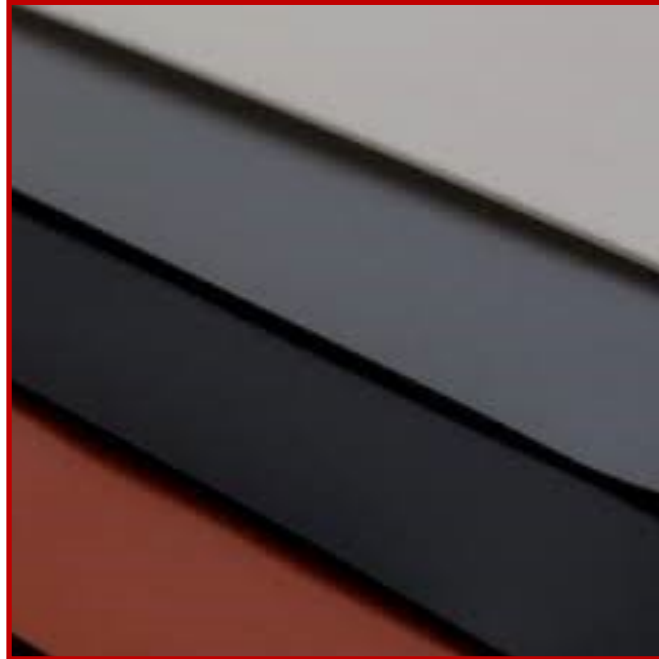
- ◆ Ultra low softness allows designers to use less force to seal enclosures and still protect their device from the environment.
- ◆ High compressibility allows material to conform to variable width gaps, thereby allowing more design flexibility.
- ◆ Excellent memory and low stress relaxation reduces maintenance costs associated with gasket failures due to compression set and softening.
- ◆ Resistance to ultraviolet light, ozone, extreme temperatures, and flame enables consistent performance in all environments.

### Applications:

- ◆ Vibration isolation in electronic components and transportation vehicles.
- ◆ Low closure force gaskets with portable electronics within rail interiors.
- ◆ Fire retardant thermal insulation.

*\* Test Reports Available Upon Request.*

## Medium Cellular Silicone



HT 800 is a highly versatile, medium firmness silicone that offers the lightness of a foam with the enhanced sealing capabilities of a traditional sponge rubber. It is used to seal and protect various outdoor communications, electronics and lighting enclosures, while providing protection against wind driven rain, and fire. The material is used to reduce shock or isolate vibration.

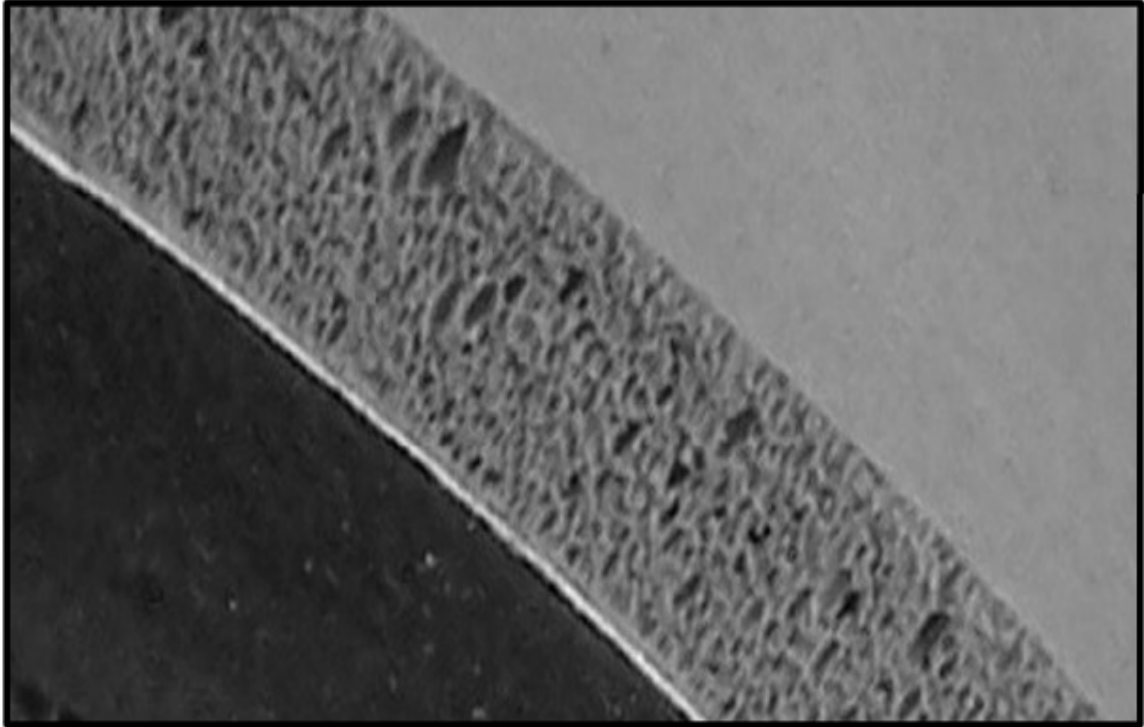
### Features and Benefits:

- ◆ Excellent memory and low stress relaxation reduces maintenance costs associated with gasket failures due to compression set and softening.
- ◆ Resistance to ultraviolet light, ozone, extreme temperatures, and flame enables consistent performance in all environments.
- ◆ Compact cell structure and unique formulation provides enhanced sealing performance to resist penetration of fine particles and wind driven rain.
- ◆ *Available with or without pressure sensitive adhesive.*

### Applications:

- ◆ Environmental seals to protect against penetration of dust, moistures, air or light within outdoor enclosures such as lighting fixtures, HVAC units, and electronic cabinets.
- ◆ Vibration isolators in electronic components and transportation vehicles.
- ◆ Shock absorbing cushions and gaskets. *\* Test Reports Available Upon Request.*

## Firm Cellular Silicone



HT 820 is a firm grade silicone that offers improved durability and sealing. It is used to seal and protect various outdoor communication, lighting, and electronic enclosures from small dust particles, wind driven rain, and fire. It offers a higher tear and tensile strength than the lighter grade foams.

### Features and Benefits:

- ◆ Excellent memory and low stress relaxation reduces maintenance costs associated with gasket failures due to compression set and softening.
- ◆ Resistance to ultraviolet light, ozone, extreme temperatures, and flame enables consistent performance in all environments.
- ◆ Compact cell structure provides improved sealing performance.
- ◆ *Available with or without pressure sensitive adhesive.*

### Applications:

- ◆ Environmental seals to protect against penetration of dust, moisture, air or light within outdoor enclosures such as lighting fixtures, HVAC units, and electronic cabinets.
- ◆ Enclosures requiring more durable, high closure force gasket.

*\* Test Reports Available Upon Request.*





**Construction:** Single-ply neoprene coated polyester fabric hose reinforced with a spring steel wire helix.

**Product Features:**

- ◆ Recommended for light duty, low pressure applications.
- ◆ Meets Department of Transportation standards for flame spread and smoke generation when tested to ASTM E 162 & ASTM E 662.
- ◆ Conforms to Bombardier SMP 800 - C requirements as they pertain to toxic gas production.
- ◆ Neoprene coating offers excellent abrasion and chemical resistance.
- ◆ Designed for applications with wide temperature ranges.

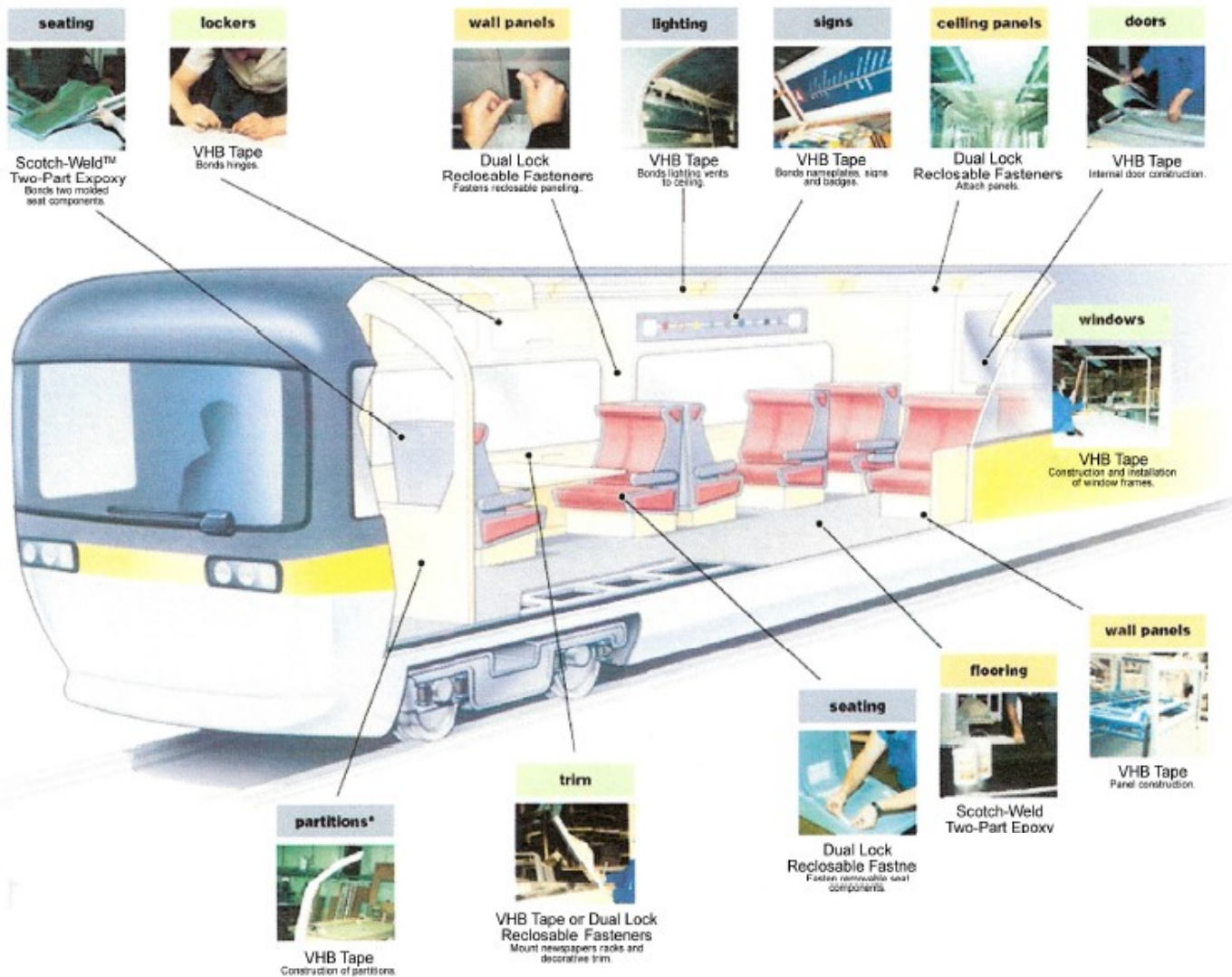
**Temperature Range:** -40° F to 250° F

**Diameter Range:** 1.50 - 12.00 inch I.D.

**Standard Length:** 25 Feet

**Standard Color:** Black

*\* Test Reports Available Upon Request.*



**3M™ VHB™ Tapes** reliably bonds metals, plastics and glass eliminating drilling and unsightly fasteners to enable creating of new material combinations and high impact visual designs.

**3M™ Dual Lock™ Re-closable Fasteners** are constructed of polyolefin stems with mushroom shaped tops which offer items the strength of standard hook and loop.

**3M™ Scotch-Weld Epoxy Adhesives DP190** A two-part adhesive that cures at room temperature and provides high strength bonds with good performance in shear and peel. Can be used to bond rubber, metal, wood, most plastics, and masonry products.



Bureau Veritas Certification

## CHAMBERLIN RUBBER COMPANY

3333 BRIGHTON HENRIETTA TOWN LINE RD ROCHESTER, NY 14623 USA

*Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below*

### ISO 9001:2015

*Scope of certification*

**MANUFACTURE AND DISTRIBUTION OF INDUSTRIAL RUBBER PRODUCTS INCLUDING GASKETS, HOSE, HOSE ASSEMBLIES, HOSE KITS, TUBING, DUCTING, FITTINGS, VALVES, AND NON-METALLIC MATERIALS**

Original cycle start date:	17-May-2000
Expiry date of previous cycle:	09-May-2021
Certification / Recertification Audit date:	18-February-2021
Certification / Recertification cycle start date:	10-May-2021
Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on:	09-May-2024

Certificate No.: **US015118**    Version: 1    Issue Date: **05-March-2021**

*Brian Sanders*



0008

*Certification Body Address: 5th Floor, 66 Prescott Street, London, E1 8HG, United Kingdom*

*Local Office: 16800 Greenspoint Park Drive, Suite 3005, Houston, TX 77060, USA*

Further clarifications regarding the scope and validity of this certificate, and the applicability of the management system requirements, please call: +(800) 937-9311



For more than 150 years, Chamberlin Rubber Company, Inc. has been a supplier of products specific to a wide variety of industries. Since 1865, we have focused on providing our customers with the highest value for the lowest cost.

Whether it is a specially designed item for an original equipment application or materials for plant maintenance, Chamberlin can serve your needs.

After serving in the Civil War and seeing the loss of life due to pneumonia, James R. Chamberlin returned to Rochester, NY and became one of the first dealers in rubber coated-canvas raincoats. He also sold hose products that were being invented and rubber coated water buckets to fire departments. The types of products the company has sold since then has evolved continually.

Still a family-owned business, Chamberlin Rubber Company, Inc. has served customers on five continents with various products. Chamberlin has even manufactured components for products that went into outer space! And, the space age led to the development of products that are now part of our product line for use in everyday workplaces.



FLAME, SMOKE & TOXICITY Tested  
Rubber Materials for passenger railcar applications.

Tested to the most stringent industry standards.

- |            |                                       |
|------------|---------------------------------------|
| ASTM E 162 | ASTM E 662                            |
| BSS 7239   | ASTM E 1354                           |
| SMP 800 C  | ASTM C 542<br>(ASTM C 1166 procedure) |

Note: Materials comply with specifications NFPA130, 49CFR238 for elastomers.

Chamberlin Rubber Company, Inc. is a supplier of custom die-cut gaskets, pads, strips, and sub-assemblies as well as extruded molded parts.



We supply window extrusions, door seals, rubber cleats, bellows, strips, bumpers, roof panel seals, HVAC seals, battery door gaskets, and various other materials for ceiling & wall insulation, flooring, sub-flooring and anti-vibration/anti-squeak.

### Gaskets:

Chamberlin converts the most reliable materials available to create finished products that withstand specified temperature, load and pressure conditions required by your application.

Die Cutting   Laminating   Slitting   Kiss-Cutting  
Hand Fabrication   Assembly & Kitting

### Gasket Materials:

- |                             |                              |
|-----------------------------|------------------------------|
| Neoprene                    | Pressure Sensitive Adhesives |
| Silicone                    | Non-Asbestos Materials       |
| Viton                       | Tubing                       |
| EPDM                        | Extrusions                   |
| Nitrile                     |                              |
| Red Sheet                   | Tapes                        |
| Pure Gum                    | Pressure Sensitive Tapes     |
| Polyurethane                | Teflon®                      |
| EMI/RFI Shielding           | Kapton®                      |
| Coated Fabrics              | Weather-stripping            |
| Cellular Products           |                              |
| Foam - Open & Closed Cell   |                              |
| Sponge - Open & Closed Cell |                              |

Call our Sales Department (585) 758-1027 or visit our website  
[www.chamberlinrubber.com](http://www.chamberlinrubber.com)

### ChamFlex® Class "A" Fire Rated Hose Assemblies & Kits

"Class A" Fire Rated stainless steel braided hose assemblies and kits. Our tube component is tested to and awarded a UL94 V-0 fire rating.

- Flexible
- UL94 V-0 Rated Tube Component
- Abrasion Resistant
- Washer-less Design
- Custom Manufactured

#### ChamFlex® Single Hose Assemblies:



ChamFlex® hose: Fixed End x Swivel End w/ JIC Adapter



ChamFlex® hose: Swivel End x Swivel End w/ JIC Adapters

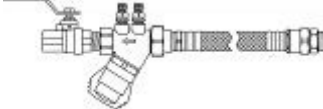
#### ChamFlex® Hose Kits:



Model AC Great Sentry Automatic Balance Hose Kits



Model AA Ultra Setter Automatic Balance Hose Kits



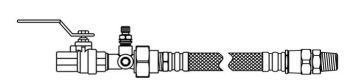
Model AE Flo-Setter II Automatic Balance Hose Kits



Ball Valve Manual Balance Hose Kits

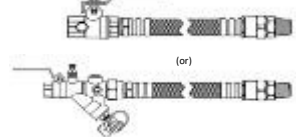


Siemens PICV Automatic Balance Hose Kits



Model MV (Venturi) Manual Balance Hose Kits

#### Supply Valve Options:



(or)

ChamFlex® assemblies are custom-made in our warehouse to meet customer specifications. *Minimum length for 1/2" and 3/4" hose is 6" with 1" increments. Minimum length for 1" and 1-1/4" hose is 9" with 1" increments.*

Call Scott Harding at (585) 758-1018 or  
Tim La Bar at (585) 758-1021 for more information

#### Ducting

- Garage Exhaust
- General Purpose
- High Temperature
- Material Handling
- Retractable
- Special Purpose & Utility Hose
- FST Ducting



#### Insulation Material

- High-Temperature Silica or Fiberglass
- Fabrics
- Tapes
- Fibers
- Ropes

