

SEALING SYSTEMS

Engineering Equipment for Sanitary Applications



ISO Gaskets

Viton™ compound material has excellent mechanical, chemical and heat resistance properties. The formulation is a superior blend that is especially good for hard vacuum service because of its high molecular weight and low gas permeability. It has been used to -54°C (-65°F) in some static seals. Flexibility, 18°C (64°F) to 200°C (392°F) under continuous duty and will take 316°C (600°F) for short periods of time.

Teflon®/Teflon® Envelope material has been a standard in the industry and is a registered trademark of DuPont. Teflon® fluoropolymer has excellent performance properties in almost all environmental conditions with excellent resistance to weather, heat, steam, abrasion, acid, petroleum oil and vegetable oil. This products made with Teflon® fluoropolymer are unsurpassed in the industry for sanitation requirements and are in compliant with FDA and USP VI criteria. Operating temperature ratings, -110°F to 450°F.

Silicone material is known for its standard of purity and non-leaching characteristics. Its ability to withstand many chemicals and combinations of chemicals is the reason it is so popular with the pharmaceutical industry. Silicone has excellent low temperature flexibility - to -73,33oC (-100°F) in dry heat. 204°C (400°F) is the maximum for continuous duty with 316°C (600°F) possible for short periods of time. Rated at 26,66°C to 204°C (-80°F to 400°F).
* short term 316°C (600°F)

EPDM (ethylene propylene diene monomer rubber) is excellent for hot water and steam service up to 163°C (325°F). It is very abrasion resistant and has excellent resistance to ozone, sunlight or weather and de-ionized water. EPDM also has good tensile strength and good resistance to mild acids, alkalis and alcohols. Rated -54°C (-65°F) to 176°C (350°F) (short term to 204°C (400°F)).



Orca Encapsulated Gasket is made from EPDM that has been chemically bonded to a thin layer of PTFE, encapsulating the EPDM. This combination of materials gives the gasket the chemical resistance of PTFE while greatly reducing the traditional problems associated with PTFE/Teflon® hygienic seals.

- Improved Resistance to Cold Flow & Creep
- Improved Flexibility
- Improved Sealing Performance
- Ultra-Low Extractables
- Superior Chemical Resistance
- No Pigmentation
- No Intrusion
- Non-Stick Surface
- FDA and USP Class VI Compliant

Type I PTFE Gasket

Type III Envelope Gasket

ORCA™ Encapsulated Gasket

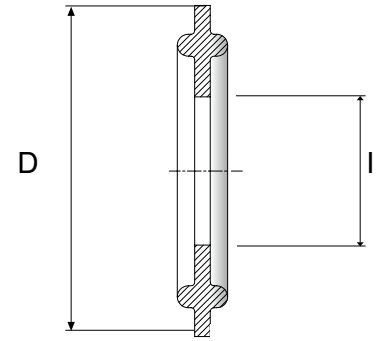


GASKETS

SMS 3019

Tri-Clamp Style Gasket
STANDARD

| Nominal Size | I (ID) | D (OD) | Ordering Code |
|--------------|--------|--------|---------------|
| | mm | mm | |
| 12 | 10,2 | 34,0 | 12-TCI.* |
| 18 | 16,2 | 34,0 | 20-TCI.* |
| 25 | 22,8 | 50,5 | 25-TCI.* |
| 33,7 | 31,5 | 50,5 | 32-TCI.* |
| 38 | 35,8 | 50,5 | 38-TCI.* |
| 51 | 48,8 | 64,0 | 51-TCI.* |
| 63,5 | 60,5 | 77,5 | 63-TCI.* |
| 76,1 | 73,1 | 91,0 | 76-TCI.* |
| 88,9 | 85,1 | 106,0 | 80-TCI.* |
| 101,6 | 97,8 | 119,0 | 100-TCI.* |
| 114,3 | 110,5 | 130,0 | 115-TCI.* |
| 139,7 | 135,9 | 155,0 | 140-TCI.* |
| 168,3 | 163,3 | 183,0 | 168-TCI.* |
| 219,1 | 214,1 | 233,5 | 219-TCI.* |



*For choosing materials, see the table below

| Material | FDA Certified | FDA Class VI Certified |
|----------------------------|---------------|------------------------|
| Buna-N | BW | |
| EPDM Black | EP | EP.RX |
| EPDM White | EPW | EPW.RX |
| Silicone Platinum | | SX.RX |
| Silicone Peroxide | SP | SP.RX |
| Viton Black | V | V.RX |
| Viton White | VW | VW.RX |
| PTFE | TF | TF.RX |
| Envelope PTFE/EPDM | GREP | GREP.RX |
| Envelope PTFE/FKM | GRV | GRV.RX |
| Envelope PTFE/ FKM (White) | GRVW | GRVW.RX |
| Orca FDA-Class VI | | TB.RX |

*CLASS VI available on request

Ordering Example

| Description | Nomimal Size | Ordering Code |
|-------------|--------------|---------------|
| Type TCI | 12 | 12-TCI.BW |

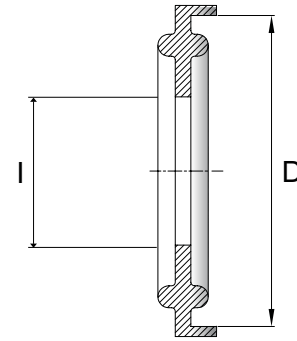
*Material and Surface are including to the ordering code

GASKETS

SMS 3019

Tri-Clamp Style Gasket
FLANGED

| Nominal Size | I (ID) | D (OD) | Ordering Code |
|--------------|--------|--------|---------------|
| 12 | 10,2 | 34,0 | 12-TCI.L.* |
| 18 | 16,2 | 34,0 | 20-TCI.L.* |
| 25 | 22,8 | 50,5 | 25-TCI.L.* |
| 33,7 | 31,5 | 50,5 | 32-TCI.L.* |
| 38 | 35,8 | 50,5 | 38-TCI.L.* |
| 51 | 48,8 | 64,0 | 51-TCI.L.* |
| 63,5 | 60,5 | 77,5 | 63-TCI.L.* |
| 76,1 | 73,1 | 91,0 | 76-TCI.L.* |
| 88,9 | 85,1 | 106,0 | 80-TCI.L.* |
| 101,6 | 97,8 | 119,0 | 100-TCI.L.* |
| 114,3 | 110,5 | 130,0 | 115-TCI.L.* |
| 139,7 | 135,9 | 155,0 | 140-TCI.L.* |
| 168,3 | 163,3 | 183,0 | 168-TCI.L.* |
| 219,1 | 214,1 | 233,5 | 219-TCI.L.* |



*For choosing materials, see the table below

| Material | FDA Certified | FDA Class VI Certified |
|----------------------------|---------------|------------------------|
| Buna-N | BW | |
| EPDM Black | EP | EP.RX |
| EPDM White | EPW | EPW.RX |
| Silicone Platinum | | SX.RX |
| Silicone Peroxide | SP | SP.RX |
| Viton Black | V | V.RX |
| Viton White | VW | VW.RX |
| PTFE | TF | TF.RX |
| Envelope PTFE/EPDM | GREP | GREP.RX |
| Envelope PTFE/FKM | GRV | GRV.RX |
| Envelope PTFE/ FKM (White) | GRVW | GRVW.RX |
| Orca FDA-Class VI | | TB.RX |

*CLASS VI available on request

Ordering Example

| Description | Nomimal Size | Ordering Code |
|-------------|--------------|---------------|
| Type TCI.L. | 12 | 12-TCI.L.BW |

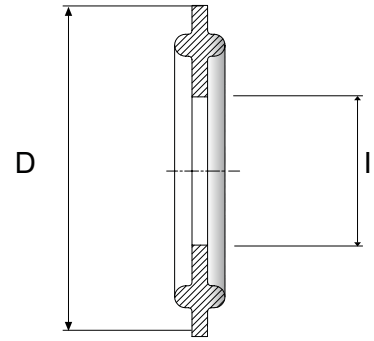
*Material and Surface are including to the ordering code

GASKETS

SMS 2852

Tri-Clamp Style Gasket
STANDARD

| Nominal Size | I (ID) mm | D (OD) mm | Ordering Code |
|--------------|--------------|--------------|---------------|
| 25 | 22,80 | 50,50 | 25-TCM.* |
| 33,7 | 31,50 | 50,50 | 32-TCM.* |
| 38 | 35,80 | 50,50 | 38-TCM.* |
| 40 | 37,80 | 64,00 | 40-TCM.* |
| 51 | 48,80 | 64,00 | 51-TCM.* |
| 63,5 | 60,50 | 77,50 | 63-TCM.* |
| 70 | 67,00 | 91,00 | 70-TCM.* |
| 76,1 | 73,10 | 91,00 | 76-TCM.* |
| 88,9 | 85,10 | 106,00 | 88-TCM.* |
| 101,6 | 97,80 | 119,00 | 100-TCM.* |
| 114,3 | 110,50 | 130,00 | 115-TCM.* |
| 139,7 | 135,90 | 155,00 | 140-TCM.* |
| 168,3 | 163,30 | 183,00 | 168-TCM.* |
| 219,1 | 214,30 | 233,50 | 219-TCM.* |



*For choosing materials, see the table below

| Material | FDA Certified | FDA Class VI Certified |
|----------------------------|---------------|------------------------|
| Buna-N | BW | |
| EPDM Black | EP | EP.RX |
| EPDM White | EPW | EPW.RX |
| Silicone Platinum | | SX.RX |
| Silicone Peroxide | SP | SP.RX |
| Viton Black | V | V.RX |
| Viton White | VW | VW.RX |
| PTFE | TF | TF.RX |
| Envelope PTFE/EPDM | GREP | GREP.RX |
| Envelope PTFE/FKM | GRV | GRV.RX |
| Envelope PTFE/ FKM (White) | GRVW | GRVW.RX |
| Orca FDA-Class VI | | TB.RX |

*CLASS VI available on request

Ordering Example

| Description | Nomimal Size | Ordering Code |
|-------------|--------------|---------------|
| Type TCM | 25 | 25-TCM.BW |

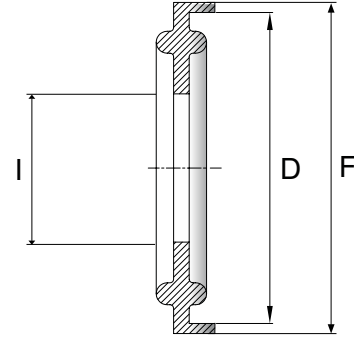
*Material and Surface are including to the ordering code

GASKETS

SMS 2852

**Tri-Clamp Style Gasket
FLANGED**

| Nominal Size | I (ID) | D (OD) | F | Ordering Code |
|--------------|--------|--------|--------|---------------|
| | mm | mm | | |
| 25 | 22,80 | 50,50 | 52,70 | 25-TCM.L.* |
| 33,7 | 31,50 | 50,50 | 52,70 | 32-TCM.L.* |
| 38 | 35,80 | 50,50 | 52,70 | 38-TCM.L.* |
| 40 | 37,80 | 64,00 | 66,20 | 40-TCM.L.* |
| 51 | 48,80 | 64,00 | 66,20 | 51-TCM.L.* |
| 63,5 | 60,50 | 77,50 | 79,70 | 63-TCM.L.* |
| 70 | 67,00 | 91,00 | 93,20 | 70-TCM.L.* |
| 76,1 | 73,10 | 91,00 | 93,20 | 76-TCM.L.* |
| 88,9 | 85,10 | 106,00 | 108,20 | 88-TCM.L.* |
| 101,6 | 97,80 | 119,00 | 121,20 | 100-TCM.L.* |
| 114,3 | 110,50 | 130,00 | 132,20 | 115-TCM.L.* |
| 139,7 | 135,90 | 155,00 | 157,20 | 140-TCM.L.* |
| 168,3 | 163,30 | 183,00 | 185,20 | 168-TCM.L.* |
| 219,1 | 214,30 | 233,50 | 235,70 | 219-TCM.L.* |



*For choosing materials, see the table below

| Material | FDA Certified | FDA Class VI Certified |
|----------------------------|---------------|------------------------|
| Buna-N | BW | |
| EPDM Black | EP | EP.RX |
| EPDM White | EPW | EPW.RX |
| Silicone Platinum | | SX.RX |
| Silicone Peroxide | SP | SP.RX |
| Viton Black | V | V.RX |
| Viton White | VW | VW.RX |
| PTFE | TF | TF.RX |
| Envelope PTFE/EPDM | GREP | GREP.RX |
| Envelope PTFE/FKM | GRV | GRV.RX |
| Envelope PTFE/ FKM (White) | GRVW | GRVW.RX |
| Orca FDA-Class VI | | TB.RX |

*CLASS VI available on request

Ordering Example

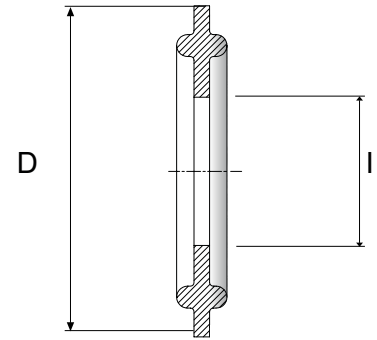
| Description | Nominal Size | Ordering Code |
|-------------|--------------|---------------|
| Type TCM.L. | 25 | 25-TCM.L.BW |

*Material and Surface are including to the ordering code

BS 4825-3

Tri-Clamp Style Gasket
STANDARD

| Nominal Size | I (ID) mm | D (OD) mm | Ordering Code |
|--------------|--------------|--------------|---------------|
| 25,4 | 22,8 | 50,5 | 25-TCB.* |
| 38,1 | 35,5 | 50,5 | 38-TCB.* |
| 50,8 | 48,2 | 64 | 51-TCB.* |
| 63,5 | 60,5 | 77,5 | 63-TCB.* |
| 76,2 | 73,2 | 91 | 76-TCB.* |
| 101,6 | 97,8 | 119 | 100-TCB.* |
| 114,3 | 110,5 | 130 | 115-TCB.* |
| 139,7 | 135,9 | 155 | 140-TCB.* |
| 168,3 | 163,3 | 183 | 168-TCB.* |
| 219,1 | 214,1 | 233,5 | 219-TCB.* |



*For choosing materials, see the table below

| Material | FDA Certified | FDA Class VI Certified |
|----------------------------|---------------|------------------------|
| Buna-N | BW | |
| EPDM Black | EP | EP.RX |
| EPDM White | EPW | EPW.RX |
| Silicone Platinum | | SX.RX |
| Silicone Peroxide | SP | SP.RX |
| Viton Black | V | V.RX |
| Viton White | VW | VW.RX |
| PTFE | TF | TF.RX |
| Envelope PTFE/EPDM | GREP | GREP.RX |
| Envelope PTFE/FKM | GRV | GRV.RX |
| Envelope PTFE/ FKM (White) | GRVW | GRVW.RX |
| Orca FDA-Class VI | | TB.RX |

*CLASS VI available on request

Ordering Example

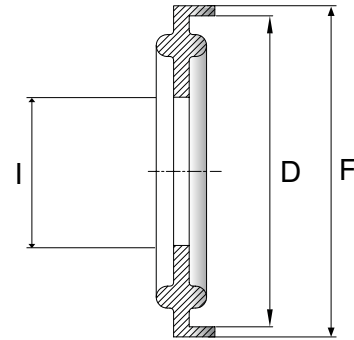
| Description | Nomimal Size | Ordering Code |
|-------------|--------------|---------------|
| 25-TCB. | 25 | 25-TCB.BW |

*Material and Surface are including to the ordering code

BS 4825-3

**Tri-Clamp Style Gasket
FLANGED**

| Nominal Size | I (ID) | D (OD) | F | Ordering Code |
|--------------|--------|--------|-------|---------------|
| | mm | mm | | |
| 25,4 | 22,8 | 50,5 | 52,7 | 25-TCB.L.* |
| 38,1 | 35,5 | 50,5 | 52,7 | 38-TCB.L.* |
| 50,8 | 48,2 | 64 | 66,2 | 51-TCB.L.* |
| 63,5 | 60,5 | 77,5 | 79,7 | 63-TCB.L.* |
| 76,2 | 73,2 | 91 | 93,2 | 76-TCB.L.* |
| 101,6 | 97,8 | 119 | 121,2 | 100-TCB.L.* |
| 114,3 | 110,5 | 130 | 132,2 | 115-TCB.L.* |
| 139,7 | 135,9 | 155 | 157,2 | 140-TCB.L.* |
| 168,3 | 163,3 | 183 | 185,2 | 168-TCB.L.* |
| 219,1 | 214,1 | 233,5 | 235,7 | 219-TCB.L.* |



*For choosing materials, see the table below

| Material | FDA Certified | FDA Class VI Certified |
|----------------------------|---------------|------------------------|
| Buna-N | BW | |
| EPDM Black | EP | EP.RX |
| EPDM White | EPW | EPW.RX |
| Silicone Platinum | | SX.RX |
| Silicone Peroxide | SP | SP.RX |
| Viton Black | V | V.RX |
| Viton White | VW | VW.RX |
| PTFE | TF | TF.RX |
| Envelope PTFE/EPDM | GREP | GREP.RX |
| Envelope PTFE/FKM | GRV | GRV.RX |
| Envelope PTFE/ FKM (White) | GRVW | GRVW.RX |
| Orca FDA-Class VI | | TB.RX |

*CLASS VI available on request

Ordering Example

| Description | Nominal Size | Ordering Code |
|-------------|--------------|---------------|
| 25-TCB.L. | 25 | 25-TCB.L.BW |

*Material and Surface are including to the ordering code

COMPOUND SELECTION FOR FLUIDS AND CHEMICALS

| | BUNA - N | E.P.D.M. | VITON™ | SILICONE | | BUNA - N | E.P.D.M. | VITON™ | SILICONE |
|----------------------------|----------|----------|--------|----------|---------------------------|----------|----------|--------|----------|
| Milk | A | A | A | A | Salicylic Acid | B | A | A | E |
| Mineral Oil | A | C | A | B | Silicone Oils | A | A | A | C |
| Monoethanol Amine | D | A | D | B | Soap Solutions | A | A | A | A |
| Monomethyl Ether | A | D | A | A | Sodium Acetate (aq) | B | A | D | D |
| Monovinyl Acetylene | A | A | A | B | Sodium Bicarbonate (aq) | A | A | A | A |
| Mustard Gas | E | A | E | A | Sodium Borate (aq) | A | A | A | A |
| Naphthalenic Acid | B | D | A | D | Sodium Chloride (aq) | A | A | A | A |
| Natural Gas | A | D | A | A | Sodium Hydroxide (aq) | B | A | B | B |
| Nickel Acetate (aq) | B | A | D | D | Sodium Nitrate (aq) | B | A | E | D |
| Nickel Chloride (aq) | A | A | A | A | Sodium Peroxide (aq) | B | A | A | D |
| Nickel Sulfate (aq) | A | A | A | A | Soybean Oil | A | C | A | A |
| Nitric Acid (dilute) | D | B | A | B | Steam, under 300°F | A | A | A | B |
| Nitrobenzene (Ligroin) | A | D | A | D | Stearic Acid | B | B | E | B |
| Nitroethane | D | B | D | D | Stoddard Solvent | A | D | A | D |
| Nitrogen Tetroxide | D | C | D | D | Sulfur Chloride (aq) | C | D | A | C |
| Octachlorotoluene | D | D | A | D | Sulfuric Acid (dilute) | C | B | A | D |
| Octadecane | A | D | A | D | Sulfurous Acid | B | B | A | D |
| N-Octane | B | D | A | D | Tannic Acid | A | A | A | B |
| Octyl Alcohol | B | C | A | B | Tartaric Acid | A | B | A | A |
| Oleic Acid | C | D | B | D | Tetrachloroethylene | D | D | A | D |
| Oxalic Acid | B | A | A | B | Toluene | D | D | A | D |
| Oxygen - Cold | B | A | A | A | Triethanol Amine | B | A | D | E |
| Ozone | D | A | A | A | Triethyl Phosphate | D | A | B | C |
| Palmitic Acid | A | B | A | D | Tung Oil (China Wood Oil) | A | C | A | D |
| Perchloric Acid | D | B | A | D | Turpentine | A | D | A | D |
| Phenyl Ethyl Ether | D | D | D | D | Vegetable Oils | A | C | A | B |
| Phosphoric Acid - 20% | B | A | A | B | Vinegar | B | A | A | A |
| Phosphorus Trichloride | D | A | A | E | Whiskey, Wines | A | A | A | A |
| Piperidine | D | A | D | D | White Pine Oil | B | D | A | D |
| Polyvinyl Acetate Emulsion | E | A | E | E | Zinc Chloride (aq) | A | A | A | A |
| Potassium Acetate (aq) | B | A | D | D | | | | | |
| Potassium Chloride (aq) | A | A | A | A | | | | | |
| Potassium Cyanide (aq) | A | A | A | A | | | | | |
| Potassium Nitrate (aq) | A | A | A | A | | | | | |
| i-Propyl Acetate | D | B | D | D | | | | | |
| Propyl Nitrate | D | B | D | D | | | | | |
| Propylene | D | D | A | D | | | | | |
| Pyridine | D | B | D | D | | | | | |

A – SATISFACTORY B – FAIR C – SEVERE EFFECT – EXCEPT FOR SOME STATIC APPLICATIONS D – UNSATISFACTORY E – INSUFFICIENT INFORMATION

COMPOUND SELECTION FOR FLUIDS AND CHEMICALS

| | BUNA-N | E.P.D.M. | VITON™ | SILICONE | | BUNA-N | E.P.D.M. | VITON™ | SILICONE |
|-------------------------------|--------|----------|--------|----------|--------------------------------|--------|----------|--------|----------|
| Diethylene Glycol | A | A | A | B | Gasoline | B | D | A | D |
| Diethyl Sebecate | B | B | B | B | Glucose | A | A | A | A |
| Diisobutylene | B | D | A | D | Glycerin | A | A | A | A |
| Diisopropyl Benzene | D | D | A | E | Hexane | A | D | A | D |
| Diisopropyl Ketone | D | A | D | D | Hexyl Alcohol | A | C | A | B |
| Diisopropylidene Acetone | D | C | D | D | Hydrazine | B | A | D | C |
| Dimethyl Aniline (Xylidine) | C | B | D | D | Hydrobromic Acid | D | A | A | D |
| Dimethyl Ether (Methyl Ether) | A | D | A | A | Hydrocyanic Acid | B | A | A | C |
| Dimethyl Formamide | B | B | D | B | Hydrofluoric Acid (conc.) cold | D | C | A | D |
| Dimethyl Phthalate | D | B | B | E | Hydrofluosilicic Acid | B | B | A | D |
| Dinitrotoluene | D | D | D | D | Hydrogen Gas | A | A | A | C |
| Diocetyl Phthalate | C | B | B | C | Hydrogen Peroxide (90%) | D | B | B | B |
| Diocetyl Sebecate | D | B | B | C | Hydrogen Sulfide (wet) cold | D | A | D | C |
| Dioxane | D | B | D | D | Hydroquinone | C | B | B | E |
| Dioxolane | D | B | D | D | Iodoform | E | D | E | E |
| Dipentene | A | D | A | D | Isobutyl Alcohol | B | A | A | A |
| Diphenyl (Phenylbenzene) | D | D | A | D | Isooctane | A | D | A | D |
| Diphenyl Oxides | D | D | A | C | Isopropyl Acetate | D | B | D | D |
| Dowtherm Oil | D | D | A | C | Isopropyl Alcohol | B | A | A | A |
| Ethane | A | D | A | D | Isopropyl Chloride | D | D | A | D |
| Ethanolamine | B | B | D | B | Isopropyl Ether | B | D | D | D |
| Ethyl Acetate | D | B | D | B | Kerosene | A | D | A | D |
| Ethyl Acetoacetate | D | B | D | B | Lacquers | D | D | D | D |
| Ethyl Acrylate | D | B | D | B | Lactic Acid (cold) | A | A | A | A |
| Ethyl Alcohol | A | A | C | A | Lead Acetate (aq) | B | A | D | D |
| Ethyl Benzene | D | D | A | D | Lead Nitrite (aq) | A | A | E | B |
| Ethyl Benzoate | D | A | A | D | Lime Bleach | A | A | A | B |
| Ethyl Cellosolve | D | B | D | D | Linoleic Acid | B | D | B | B |
| Ethyl Cellulose | B | B | D | C | Maleic Acid | D | B | A | E |
| Ethyl Chloride | A | C | A | D | Malic Acid | A | B | A | B |
| Ethyl Chlorocarbonate | D | B | A | D | Methane | A | D | B | D |
| Ethyl Chloroformate | D | B | D | D | Methyl Acetate | D | A | D | D |
| Ethyl Ether | C | C | D | D | Methyl Acrylate | D | B | D | D |
| Ethyl Pentachlorobenzene | D | D | A | D | Methylacrylic Acid | D | B | D | D |
| Ethylene | A | B | A | E | Methyl Alcohol | A | A | D | A |
| Ethylene Chloride | D | C | B | D | Methyl Bromide | B | D | A | E |
| Ethylene Diamine | A | A | D | A | Methyl Butyl Ketone | D | A | D | C |
| Ethylene Dichloride | D | C | A | D | Methyl Cellosolve | C | B | D | D |
| Ethylene Glycol | A | A | A | A | Methyl Chloride | D | C | B | D |
| Fluoroboric Acid | A | A | E | E | Methyl Cyclopentane | D | D | B | D |
| Freon 11 | B | D | A | D | Methylene Chloride | D | C | B | D |
| Freon 12 | A | B | B | D | Methyl Ether | A | D | A | A |
| Freon 22 | D | A | D | D | Methyl Ethyl Ketone | D | A | D | D |
| Fumaric Acid | A | B | A | B | Methyl Isobutyl Ketone | D | B | D | D |
| Gallic Acid | B | B | A | E | Methyl Methacrylate | D | C | D | D |

A – SATISFACTORY B – FAIR C – SEVERE EFFECT – EXCEPT FOR SOME STATIC APPLICATIONS D – UNSATISFACTORY E – INSUFFICIENT INFORMATION

COMPOUND SELECTION FOR FLUIDS AND CHEMICALS

| | BUNA-N | E.P.D.M. | VITON™ | SILICONE | | BUNA-N | E.P. | VITON | SILICONE |
|----------------------------|--------|----------|--------|----------|---------------------------------|--------|------|-------|----------|
| Acetaldehyde | D | A | D | B | Butylene | B | D | A | D |
| Acetamide | A | A | B | B | Butyraldehyde | D | B | D | D |
| Acetic Acid, 30% | B | A | B | A | Carbolic Acid (Phenol) | D | B | A | D |
| Acetone | D | A | D | C | Carbon Bisulfide | C | D | A | D |
| Acetophenone | D | A | D | D | Carbon Dioxide | A | B | A | B |
| Acetyl Chloride | D | D | A | C | Carbonic Acid | B | A | A | A |
| Acetylene | A | A | A | B | Carbon Monoxide | A | A | A | A |
| Acrylonitrile | D | D | C | D | Carbon Tetrachloride | C | D | A | D |
| Adipic Acid | A | A | E | E | Castor Oil | A | B | A | A |
| Ammonia Gas (cold) | A | A | D | A | Cellosolve Acetate | D | B | D | D |
| Ammonium Chloride (aq) | A | A | A | E | China Wood Oil (Tung Oil) | A | C | A | D |
| Ammonium Hydroxide (conc.) | D | A | B | A | Chlorine (wet) | D | C | A | D |
| Ammonium Nitrate (aq) | A | A | E | E | Chlorine Dioxide | D | C | A | E |
| Ammonium Nitrite (aq) | A | A | E | B | Chloroacetic Acid | D | A | D | E |
| Ammonium Phosphate (aq) | A | A | E | A | Chloroacetone | D | A | D | D |
| Ammonium Sulfate (aq) | A | A | D | E | Chlorobenzene | D | D | A | D |
| Amyl Acetate (Banana Oil) | D | A | D | D | Chlorobromomethane | D | B | A | D |
| Amyl Alcohol | B | A | B | D | Chloroform | D | D | A | D |
| Amyl Borate | A | D | A | E | Chlorotoluene | D | D | A | D |
| Arsenic Acid | A | A | A | A | Chrome Plating Solutions | D | C | A | C |
| Arsenic Trichloride (aq) | A | C | E | E | Chromic Acid | D | B | A | B |
| Barium Chloride (aq) | A | A | A | A | Cod Liver Oil | A | A | A | B |
| Barium Hydroxide (aq) | A | A | A | A | Copper Acetate (aq) | B | A | D | D |
| Barium Sulfate (aq) | A | A | A | A | Copper Chloride (aq) | A | A | A | A |
| Barium Sulfide (aq) | A | A | A | A | Copper Cyanide (aq) | A | A | A | A |
| Benzaldehyde | D | A | D | B | Copper Sulfate (aq) | A | A | A | A |
| Benzene | D | D | A | D | Creosote (coal tar) | A | D | A | D |
| Benzoic Acid | C | C | A | C | Cresylic Acid | D | D | A | D |
| Benzoyl Chloride | D | D | A | E | Cyclohexane | A | D | A | D |
| Benzyl Alcohol | D | A | A | B | Cyclohexanol | C | C | A | D |
| Benzyl Chloride | D | D | A | D | Cyclohexanone | D | B | D | D |
| Boric Acid | A | A | A | A | Denatured Alcohol | A | A | A | A |
| Brine | A | A | A | A | Detergent Solutions | A | A | A | A |
| Bromine, Anhydrous | D | D | A | D | Diacetone Alcohol | D | A | D | B |
| Bromine Water | D | B | A | D | Dibenzyl Ether | D | B | D | E |
| Butadiene | D | C | A | D | Dibenzyl Sebecate | D | B | B | C |
| Butane | A | D | A | D | Dibromoethyl Benzene (Alkazene) | D | D | B | D |
| Butyl Acetate | D | C | D | D | Dibutyl Amine | D | C | D | C |
| Butyl Acetyl Ricinoleate | C | A | A | E | Dibutyl Ether | D | C | C | D |
| Butyl Alcohol | A | B | A | B | Dibutyl Phthalate | D | B | C | B |
| Butyl Amine | C | B | D | D | Dibutyl Sebecate | D | B | B | B |
| Butyl Benzoate | D | B | A | E | O-Dichlorobenzene | D | D | A | D |
| Butyl Carbitol | D | A | A | D | Dichloro-Isopropyl Ether | D | C | C | D |
| Butyl Cellosolve | D | A | D | E | Diethylamine | B | B | D | B |
| Butyl Oleate | D | B | A | E | Diethyl Benzene | D | D | A | D |
| Butyl Stearate | B | C | A | E | Diethyl Ether | D | D | D | D |

A – SATISFACTORY B – FAIR C – SEVERE EFFECT – EXCEPT FOR SOME STATIC APPLICATIONS D – UNSATISFACTORY E – INSUFFICIENT INFORMATION

SEALING SYSTEMS

Engineering Equipment for Sanitary Applications