



CHEMICAL

| Product | Page | Size | W.P. | Tube | Cover | Description |
|---------|------|----------|-----------|------------------------------------|--|---|
| SP483 | 18 | 2" - 4" | 150 | Modified Cross-Linked Polyethylene | Blue Synthetic Rubber w/external PVC helix | Light-N-Bright chemical suction and discharge. Handles 90% of all known industrial chemicals. |
| SW373 | 18 | ½" - 6" | 100 - 500 | FEP (Teflon®) | Yellow EPDM | High temperature chemical suction hose designed for sanitary, pharmaceutical, and high purity applications. |
| SW383 | 18 | 1" - 6" | 150 - 200 | Modified Cross-Linked Polyethylene | Blue EPDM | Chemical suction hose designed for transferring corrosive chemicals, acids and petro-chemicals. |
| SW393 | 19 | 1" - 4" | 200 | UHMWPE | Blue EPDM | Chemical suction and discharge hose formulated to handle 98% of all known industrial chemicals. |
| SWC393 | 19 | 1½" - 4" | 200 | UHMWPE | Corrugated Blue EPDM | Corrugated chemical suction hose formulated to handle 98% of all known industrial chemicals. |
| SWC683 | 19 | 1" - 4" | 200 - 250 | Modified Cross-Linked Polyethylene | Corrugated Black EPDM | Lightweight, ultra-flexible corrugated chemical suction and discharge hose. |
| SWC683G | 19 | 1" - 4" | 200 - 250 | Modified Cross-Linked Polyethylene | Corrugated Green EPDM | Lightweight, ultra-flexible corrugated chemical suction and discharge hose. |

Warning!

Failure of chemical hose in service can result in serious injury, death, or damage to property. All chemical hose manufacturers recommend specific hose constructions to handle various chemicals. **If you have any questions about proper hose selection after careful review of the chemical resistance charts found on pages 76-84 of this catalog, contact Titan customer service at 800-242-4673 for technical assistance before using or recommending a hose product.**

Do not use chemical hose at temperatures or pressures exceeding those as specified by the product. All operators must be thoroughly trained in the care and use of the hose, and must at all times wear protective clothing. A hose system failure could cause the release of poisonous, corrosive, or flammable material.

Handling

- Crushing or kinking of the hose can cause severe damage to the reinforcement. Care should be exercised to prevent mishandling.
- Use proper hose suspension equipment when lifting or dragging a hose to ensure the recommended curvature is not exceeded. Avoid sharp bends at the end fittings and at manifold connections.

Operation

- Personnel involved in an operation using chemical hose must use safety precautions such as wearing eye or face protection, rubber gloves, boots, and other types of protective clothing.
- Pressures and temperatures are to be monitored to see that the hose is not exposed to conditions above specified limits. Exceeding specified limits could damage the hose and result in damage to property and serious bodily harm.
- Never allow chemicals to drip on the exterior of the hose or allow hose to lie in a pool of chemical since the cover may not have the same level of corrosion resistance as the tube. Should a corrosive material come in contact with the reinforcing material, early failure will result.

SP483 LIGHT-N-BRIGHT CHEMICAL SUCTION - MOD CROSS-LINK

- Versatile chemical suction and discharge hose designed to handle 90% of all known industrial chemicals.
- Modified XLPE tube offers superior chemical resistance.
- External PVC rod provides abrasion resistance and flexibility.
- 4 to 1 safety factor for protection against impulse surges to help reduce worker injuries and environmental accidents.

Tube: Extruded Modified Cross-Linked Polyethylene.
Reinforcement: Textile and static wire, supported by an external PVC helix.
Cover: Blue synthetic rubber.
Temperature: -40° to +180°F.

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|------|------|-------------|----------------------|--------------|--------|
| 2" | 3" | 10" | 150 | 1.34 | Full |
| 3" | 4" | 15" | 150 | 1.89 | Full |
| 4" | 5" | 20" | 150 | 2.45 | Full |



SW373 FEP CHEMICAL SUCTION HOSE

- Designed for sanitary, pharmaceutical, high purity, distillery flex connections, and industrial chemicals with high temperature factors.
- Handles 99.5% of all known industrial chemicals.

Tube: Extruded white FDA FEP (Teflon® or Neoflon®).
Reinforcement: Textile with wire helix.
Cover: Yellow EPDM.
Temperature: -40° to +300°F.

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|--------|----------|-------------|----------------------|--------------|--------|
| 1/2" | 31/32" | 7" | 500 | .37 | Full |
| 3/4" | 1 1/4" | 8" | 500 | .55 | Full |
| 1" | 1 17/32" | 9" | 400 | .69 | Full |
| 1 1/4" | 1 3/4" | 11" | 375 | .75 | Full |
| 1 1/2" | 2 1/8" | 12" | 350 | 1.11 | Full |
| 2" | 2 11/16" | 16" | 300 | 1.57 | Full |
| 3" | 3 7/8" | 30" | 200 | 2.86 | Full |
| 4" | 5" | 42" | 150 | 4.28 | Full |
| 6" | 7 1/8" | 48" | 100 | 7.66 | Full |



Teflon® is a registered trademark of Dupont.
 Neoflon® is a registered trademark of Daikin.

SW383 EXACT-CHEM MODIFIED CROSS-LINKED HOSE

- Designed for the transfer of corrosive chemicals, acids, fuels, and petro-chemical products.
- Specially formulated tube and lightweight construction provide superior flexibility for handling ease.
- High grade chemical, ozone, and abrasion resistant cover.
- Dual helix construction allows full vacuum capabilities.

Tube: Extruded Modified Cross-Linked Polyethylene.
Reinforcement: Textile with dual wire helix.
Cover: EPDM.
Temperature: -40° to +225°F.

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|--------|----------|-------------|----------------------|--------------|--------|
| 1" | 1 1/2" | 6" | 200 | .55 | Full |
| 1 1/4" | 1 3/4" | 8" | 200 | .64 | Full |
| 1 1/2" | 2" | 9" | 200 | .76 | Full |
| 2" | 2 17/32" | 12" | 200 | 1.08 | Full |
| 3" | 3 21/32" | 18" | 150 | 2.05 | Full |
| 4" | 4 23/32" | 28" | 150 | 2.97 | Full |
| 6" | 6 13/16" | 42" | 150 | 6.24 | Full |



WARNING: Do not use chemical hose at temperatures or pressures above those recommended.

SW393 CHEM-LITE UHMWPE CHEMICAL

- Premium quality UHMWPE chemical suction hose specially formulated to handle 98% of all known industrial chemicals.
- Dual helix construction allows full vacuum capabilities.
- Tube meets FDA requirements.

Tube: UHMWPE
(Ultra High Molecular Weight Polyethylene).

Reinforcement: Textile with dual wire helix.

Cover: Blue EPDM (Smooth or corrugated).

Temperature: -40° to +200°F. (250°F. cleaning temperature).

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|--------|---------|-------------|----------------------|--------------|--------|
| 1" | 1 1/2" | 6" | 200 | .52 | Full |
| 1 1/2" | 2" | 9" | 200 | .76 | Full |
| 2" | 2 1/2" | 12" | 200 | 1.05 | Full |
| 3" | 3 9/16" | 18" | 200 | 1.77 | Full |
| 4" | 4 5/8" | 28" | 200 | 2.60 | Full |

SWC393 CHEM-LITE CORRUG UHMWPE CHEMICAL

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|--------|----------|-------------|----------------------|--------------|--------|
| 1 1/2" | 2 1/16" | 6" | 200 | .92 | Full |
| 2" | 2 19/32" | 8" | 200 | 1.35 | Full |
| 3" | 3 19/32" | 12" | 200 | 1.98 | Full |
| 4" | 4 11/16" | 20" | 200 | 3.15 | Full |



SWC683 TITANFLEX® CHEMICAL MOD XLPE (BLACK)

- Lightweight, kink resistant chemical suction hose.
- Extreme flexibility and superior bend radius allows easy handling and long-lasting performance.
- Seamless Modified Cross-Linked tube provides high chemical resistance for a variety of chemical transfer applications.
- Will not delaminate, leach, or contaminate conveyed product.
- Can be cleaned with hot water, 10% alkali bath, or low pressure steam.

Tube: Extruded Modified Cross-Linked Polyethylene.

Reinforcement: Textile with dual wire helix.

Cover: Corrugated black or green EPDM.

Temperature: -40° to +250°F.

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|--------|---------|-------------|----------------------|--------------|--------|
| 1" | 1 1/2" | 2" | 250 | .47 | Full |
| 1 1/2" | 2 1/32" | 3" | 250 | .75 | Full |
| 2" | 2 9/16" | 4" | 250 | 1.02 | Full |
| 2 1/2" | 3 1/8" | 5" | 200 | 1.44 | Full |
| 3" | 3 5/8" | 6" | 200 | 1.81 | Full |
| 4" | 4 5/8" | 8" | 200 | 2.43 | Full |

SWC683G TITANFLEX® CHEMICAL MOD XLPE (GRN)

| I.D. | O.D. | BEND RADIUS | WORKING PRESSURE PSI | WEIGHT LB/FT | VACUUM |
|--------|---------|-------------|----------------------|--------------|--------|
| 1" | 1 1/2" | 2" | 250 | .49 | Full |
| 1 1/2" | 2 1/32" | 3" | 250 | .77 | Full |
| 2" | 2 9/16" | 4" | 250 | 1.05 | Full |
| 2 1/2" | 3 1/8" | 5" | 200 | 1.48 | Full |
| 3" | 3 5/8" | 6" | 200 | 1.86 | Full |
| 4" | 4 5/8" | 8" | 200 | 2.57 | Full |



TITANFLEX® is a registered trademark of Titan Industries.

WARNING: Do not use chemical hose at temperatures or pressures above those recommended.