



## TITANFLEX® Modified XLPE Chemical Hose

Series SWC683 (Black) and  
Series SWC683G (Green)

Series SWC683/SWC683G is a flexible, lightweight, high pressure, high temperature suction and discharge hose designed to handle many commonly used acids, chemicals and solvents. The modified cross-linked polyethylene (MXLPE) tube will not leach into and contaminate the product being conveyed, and features a temperature rating to 250°F (121°C). Series SWC683/SWC683G can be cleaned with a 10% alkali bath, hot water or low pressure steam. The corrugated hose construction incorporates a dual wire helix that provides full suction capability, flexibility, kink resistance and a path to conduct a static electrical charge to ground, and is suitable for use with internally expanded couplings. The cover is resistant to abrasion, mild chemicals and ozone.

**NOTE:** Refer to the [Safety and Technical](#) section of this catalog for safety, handling and use information. Refer to the [Chemical Guide](#) section of this catalog to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

<b>Tube:</b>	Tan modified cross-linked polyethylene (MXLPE)
<b>Reinforcement:</b>	Multiple textile plies with dual wire helix
<b>Cover:</b>	<b>SWC683:</b> Black EPDM, corrugated wrapped finish <b>SWC683G:</b> Green EPDM, corrugated wrapped finish
<b>Temp. Range:</b>	-40°F to +250°F (-40°C to +121°C)
<b>Brand Method:</b>	Red text on yellow stripe
<b>Brand Example:</b>	PARKER SERIES SWC683 (SWC683G) TITANFLEX® MOD XLPE CHEMICAL SUCTION XXX PSI WP MADE IN USA
<b>Design Factor:</b>	4:1
<b>Industry Standards:</b>	None applicable
<b>Applications:</b>	<ul style="list-style-type: none"> <li>• Acid, chemicals, solvents</li> <li>• In-plant tank transfer</li> <li>• Delivery, transport</li> </ul>
<b>Vacuum:</b>	Full
<b>Compare To:</b>	Gates Mustang
<b>Packaging:</b>	Coils

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### ⚠ WARNINGS!

- It is the responsibility of the user to determine if the hose is suitable for the application. Most chemical resistance guides are based on temperatures of 70°F (21°C). Elevated temperatures can change the chemical resistance ratings. Many chemicals will become more aggressive as temperatures increase, reducing the ability of hose compounds to withstand them. Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, users are required to perform compatibility testing at the desired temperature.
- At operating temperatures of 125°F and above, only permanently attached couplings should be installed. At any operating temperature, couplings attached with bands or clamps may reduce the working pressure of the hose assembly to less than the maximum rated working pressure of the hose. Refer to the [NAHAD Industrial Hose Assembly Guidelines](#).

## Series SWC683 (Black) and Series SWC683G (Green) Hose – Titanflex® Modified XLPE Chemical Hose (Continued)

### Series SWC683 (Black)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
SWC683-1000	1	25.4	2	1.500	38.1	0.49	0.22	2.0	50.8	250	17.2	*	100	Y
SWC683-1500	1-1/2	38.1	2	2.031	51.6	0.71	0.32	3.0	76.2	250	17.2	*	100	Y
SWC683-2000	2	50.8	2	2.563	65.1	1.05	0.48	4.0	101.6	250	17.2	*	100	Y
SWC683-2500	2-1/2	63.5	2	3.015	76.6	1.47	0.67	5.0	127.0	200	13.8	*	100	N
SWC683-3000	3	76.2	2	3.625	92.1	1.93	0.88	6.0	152.4	200	13.8	*	100	Y
SWC683-4000	4	101.6	2	4.625	117.5	2.60	1.21	8.0	203.2	175	12.1	*	100	Y
SWC683-6000	6	152.4	2	6.750	171.5	4.22	1.91	18.0	457.2	125	8.6	*	100	N

\* **Couplings:** Refer to CrimpSource at [www.safehose.com](http://www.safehose.com) for coupling recommendations and crimp specifications.

\*\* **Stock:** “Y” indicates stocked item; “N” indicates non-stocked item. Stock status subject to change. Contact Parker Customer Service.

### Series SWC683G (Green)

Part Number	ID (in)	ID (mm)	Reinf Plies	OD (in)	OD (mm)	Approx Wt (lbs/ft)	Approx Wt (kg/ft)	Min Bend Rad (in)	Min Bend Rad (mm)	Max Rec WP (psi)	Max Rec WP (bar)	Perm Cplg Rec *	Std Pack Qty (ft)	Stock Status **
SWC683G-1000	1	25.4	2	1.500	38.1	0.49	0.22	2.0	50.8	250	17.2	*	100	Y
SWC683G-1500	1-1/2	38.1	2	2.031	51.6	0.77	0.35	3.0	76.2	250	17.2	*	100	N
SWC683G-2000	2	50.8	2	2.563	65.1	1.04	0.47	4.0	101.6	250	17.2	*	100	Y
SWC683G-2500	2-1/2	63.5	2	3.015	76.6	1.48	0.67	5.0	127.0	200	13.8	*	100	N
SWC683G-3000	3	76.2	2	3.625	92.1	1.98	0.90	6.0	152.4	200	13.8	*	100	Y
SWC683G-4000	4	101.6	2	4.625	117.5	2.66	1.21	8.0	203.2	175	12.1	*	100	Y

\* **Couplings:** Refer to CrimpSource at [www.safehose.com](http://www.safehose.com) for coupling recommendations and crimp specifications.

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