



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 Information section of this catalog for safety, handling and use information. Refer to the Media Compatibility section to determine compatibility with specific chemicals. Contact Parker for additional chemical compatibility information.

Tube:	Tan modified cross-linked polyethylene (MXLPE)
Reinforcement:	Multiple textile plies with dual wire helix
Cover:	SWC683: Black EPDM, corrugated wrapped finish SWC683G: Green EPDM, corrugated wrapped finish
Temp. Range:	-40°F to +250°F (-40°C to +121°C)
Brand Method:	Red text on yellow stripe
Brand Example:	PARKER SERIES SWC683 (SWC683G) TITANFLEX® MOD XLPE CHEMICAL SUCTION XXX PSI WP
Design Factor:	4:1
Industry Standards:	None applicable
Applications:	<ul style="list-style-type: none"> • Acid, chemicals, solvents • In-plant tank transfer • Delivery, transport
Vacuum:	29" Hg (737 mm Hg)
Compare To:	Gates Mustang

(Continued on the following page)

⚠ WARNING: This product can expose you to chemicals including Carbon Black, which is known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

⚠ WARNINGS!














- The data tables published in the Media Compatibility section of Catalog 4800 are based on tests and believed to be reliable—but the data should be used **ONLY** as a guide. The compatibility ratings for rubber/non-PVC materials apply to media at 70°F (21°C). However, chemicals may become increasingly aggressive as their temperatures progress above that level. Chemicals at elevated temperatures typically exceed the performance capability of a hose, even if that hose's general rating exceeds 70°F (21°C). Contact Parker for chemical compatibility data at elevated temperatures. If no data exists, it is the user's responsibility to determine hose/chemical/temperature compatibility. All critical applications should be tested.
- 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)

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource. Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".














# Part Number	 ID (in)	 ID (mm)	 Reinf Layers	 OD (in)	 OD (mm)	 Approx Wt (lbs/ft)	 Approx Wt (kg/m)	 Min Bend Rad (in)	 Min Bend Rad (mm)	 Max WP (psi)	 Max WP (bar)	 Nom Std Pack Qty (ft)	 Pkg Type
SWC683-1000	1	25.4	2	1.5	38.1	0.49	0.73	2	51	250	17	100	Coil
SWC683-1500	1-1/2	38.1	2	2.0	51.6	0.71	1.06	3	76	250	17	100	Coil
SWC683-2000	2	50.8	2	2.6	65.1	1.05	1.56	4	102	250	17	100	Coil
SWC683-2500	2-1/2	63.5	2	3.0	76.6	1.47	2.19	5	127	200	14	100	Coil
SWC683-3000	3	76.2	2	3.6	92.1	1.93	2.88	6	152	200	14	100	Coil
SWC683-4000	4	101.6	2	4.6	117.5	2.60	3.87	8	203	175	12	100	Coil
SWC683-6000	6	152.4	2	6.8	171.5	4.22	6.29	18	457	125	9	100	Coil

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Series SWC683G (Green)

Crimp Specifications

For currently qualified crimp specifications including coupling designation, refer to CrimpSource at www.parker.com/crimpsource. Refer to the COS-K4 crimper for crimp specs for hose 4" ID and smaller. Refer to the COS-K6 or COS-K10 crimpers for hose IDs larger than 4".

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SWC683G-1000	1	25.4	2	1.5	38.1	0.49	0.73	2	51	250	17	100	Coil
SWC683G-1500	1-1/2	38.1	2	2.0	51.6	0.77	1.15	3	76	250	17	100	Coil
SWC683G-2000	2	50.8	2	2.6	65.1	1.04	1.55	4	102	250	17	100	Coil
SWC683G-2500	2-1/2	63.5	2	3.0	76.6	1.48	2.21	5	127	200	14	100	Coil
SWC683G-3000	3	76.2	2	3.6	92.1	1.98	2.95	6	152	200	14	100	Coil
SWC683G-4000	4	101.6	2	4.6	117.5	2.66	3.96	8	203	175	12	100	Coil

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