



RELIAMAX™

Modified XLPE Crush Resistant Corrugated Chemical Hose

Series SMC683

Series SMC683 is an extremely flexible, 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). The lightweight corrugated hose construction incorporates a dual monofilament helix that provides full suction capability with superior crush and kink resistance—allowing the hose to return to its original shape—and flexibility, and is suitable for use with internally expanded couplings. The dual static wires provide a path to conduct an electrical charge to ground. 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.

Tube:	Tan modified cross-linked polyethylene (MXLPE)
Reinforcement:	Multiple textile plies with dual monofilament helix and dual static wires
Cover:	Black EPDM; corrugated wrapped finish
Temp. Range:	-40°F to +250°F (-40°C to +121°C)
Brand Method:	Black text on yellow stripe
Brand Example:	PARKER SERIES SMC683 RELIAMAX™ CRUSH RESISTANT MOD XLPE CHEMICAL SUCTION HOSE 200 WP MADE IN USA
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:	Full
Packaging:	Coils

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 **
SMC683-750	3/4	19.1	2	1.344	34.0	0.46	0.21	3.0	76.2	200	13.8	*	100	N
SMC683-1000	1	25.4	2	1.563	39.7	0.57	0.26	4.0	101.6	200	13.8	*	100	N
SMC683-1500	1-1/2	38.1	2	2.094	53.2	0.79	0.36	6.0	152.4	200	13.8	*	100	N
SMC683-2000	2	50.8	2	2.750	69.9	1.16	0.53	8.0	203.2	200	13.8	*	100	N
SMC683-3000	3	76.2	2	3.781	96.0	1.86	0.84	14.0	355.6	200	13.8	*	100	N
SMC683-4000	4	101.6	2	4.781	121.4	2.46	1.12	20.0	508.0	200	13.8	*	100	N

* **Couplings:** Refer to CrimpSource at 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.

⚠️ 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](#).

Parker Industrial Hose Customer Service
866 810 HOSE (4673) 800 242 HOSE (4673)
Strongsville, OH South Gate, CA
Eastern USA Western USA

www.safehose.com
e-mail: indhose@parker.com