

Fabchem® Pliosyn™ (UHMWPE) Tube



Product Specifications

Application

A significant improvement to our chemical hose line, Fabchem® Pliosyn™ handles the majority of common industrial chemicals in pressure, gravity flow and suction service.

Construction

> Tube

Pliosyn™ ultra-high molecular weight polyethylene (UHMWPE)

> Cover

Green EPDM synthetic rubber with bright orange longitudinal stripe, corrugated (wrapped impression)

> Reinforcement

Spiral-plied synthetic fabric with double wire helix

Temperature Range

-40°F to 212°F (-40°C to 100°C)

Packaging

100' exact length, coiled and poly-wrapped

Branding (Spiral)

Example: Continental Fabchem® Chemical Transfer Hose 200 psi WP

Couplings

Use Continental Insta-Lock™ cam & groove fittings with this product. See the Coupling Systems information pages at the back of this catalog. Refer to the Continental Industrial Hose Assembly Manual for crimp specifications.

Order Codes

546-065 (green)

546-533 (purple)

546-555 (blue)

546-716 (ARC - Abrasion Resistant Cover)

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SAP #	ID				Nom. OD				Max. WP		Bend Radius		Vacuum HG		Weight	
	Green	Purple	Blue	ARC	in.	mm	in.	mm	psi	MPa	in.	mm	in.	mm	lb./ft.	kg/m
20018477			20617876		1/2	12.7	0.95	24.1	200	1.38	3	76	29	737	0.33	0.49
20018478			20617877		3/4	19.1	1.22	31.0	200	1.38	4	89	29	737	0.46	0.68
20018481	20673999	20243623			1	25.4	1.47	37.3	200	1.38	4	102	29	737	0.60	0.89
20018485					1¼	31.8	1.73	43.9	200	1.38	4	102	29	737	0.73	1.09
20018488	20674040	20385256			1½	38.1	1.97	50.0	200	1.38	5	127	29	737	0.84	1.25
20018493	20674041	20598926	20018718		2	50.8	2.55	64.8	200	1.38	6	152	29	737	1.22	1.82
20018496					2½	63.5	3.14	79.8	200	1.38	8	203	29	737	1.78	2.65
20018498			20018720		3	76.2	3.63	92.2	200	1.38	9	229	29	737	2.11	3.14
20018502			20018722		4	101.6	4.67	118.6	200	1.38	10	254	29	737	2.81	4.18

Hose design ratio (burst pressure) 4:1.

Refer to the Continental Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.