

# 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 150°F (-40°C to 66°C)

### Packaging

100' exact length, coiled and poly-wrapped

### Branding (Spiral)

Example: Continental ContiTech Fabchem® Chemical Transfer Hose 200 psi WP

### Couplings

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

### Order Codes

- 546-065 (green)
- 546-533 (purple)
- 546-555 (blue)
- 546-716 (ARC)

## Fabchem® Pliosyn™ (UHMWPE) Tube

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 ContiTech Chemical Resistance Charts in Appendix B for specific chemical and temperature compatibility.

**Air & Multipurpose**

- General Purpose
- Heavy Duty
- Push-on

**Chemical Transfer**

Cleaning Equipment

**Food**

- Dry Transfer
- Liquid Transfer
- Washdown

Marine

**Material Handling**

- Abrasives
- Bulk Transfer
- Cement & Concrete

Mining

**Petroleum**

- Aircraft Fueling
- Dispensing
- Dock
- Rig Supply
- Transfer Discharge
- Transfer S&D

Specialty

Steam

Vacuum

**Water**

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix