

# TIFT-Compoflex Composite Hose Products

## CHEMICAL HOSES

### Code 949: CHEMIFLEX PGL, PSL, SGL, SSL

For low-pressure transfer applications in over-the-road vehicles, storage tank and rail car loading and unloading. Designed for use where light weight and flexibility are essential.

**Typical applications:** Tank-to-process chemicals handling, storage tank transfer and batching, drumming, manifolding, blending, etc., rail car and tank truck loading and delivery

**Conveyants handled:** Suited for a wide range inorganic and organic liquids and petroleum products at rated discharge pressure or full suction. Refer to the Chemical Compatibility Chart for specific recommendations.

#### Features:

- Light weight – easy to handle
- Flexible – even at low temperatures
- Tough PVC outer cover – resists dragging wear and abrasion
- Polypropylene liner with a polypropylene and polyester carcass – for maximum chemical resistance
- Safe and dependable – offers maximum flexibility
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing
- Special polypropylene coated inner wire – fast dissipation of static electrical charges



#### Inner Wire

#### Outer Wire

#### Carcass

#### Cover

#### Temperature Range

#### Color

#### Couplings

- Polypropylene-coated steel (316 Stainless Steel available)
- Galvanized Steel (316 Stainless Steel available)
- Polypropylene fabrics, films and polyester barrier layers
- Abrasion-resistant PVC-coated fabric
- $-22^{\circ}\text{F}(-30^{\circ}\text{C})$  to  $+212^{\circ}\text{F}(+100^{\circ}\text{C})$  (refer to Chemical Compatibility Chart)
- Yellow with blue stripe
- Externally swaged: NPT threaded; fixed, floating, reducing flanges; cam-and-groove quick-disconnect couplings, female lugs supplied per order.

#### Code 949 – CHEMIFLEX PGL, PSL, SGL, SSL:

ID in(mm)	OD in(mm)	MAX WP * psi (bar)	MIN Bend Radius in(mm)	WEIGHT lb/ft (kg/m)	MAX LEN ft(m)
1 (25)	1½ (38)	200 (14)	4 (100)	0.6 (0.9)	60 (18)
1½ (38)	2 (50)	200 (14)	5 (125)	0.8 (1.2)	60 (18)
2 (50)	2½ (65)	200 (14)	7 (175)	1.2 (1.8)	60 (18)
2½ (65)	3 (75)	200 (14)	7 (175)	1.7 (2.6)	60 (18)
3 (75)	3½ (88)	200 (14)	8 (200)	1.9 (2.9)	60 (18)
4 (100)	4½ (115)	150 (10.5)	12 (300)	2.7 (4.1)	60 (18)

\* 4:1 safety factor