

# TIFT-Compoflex Composite Hose Products

## CHEMICAL HOSES

### Code 947: TEF-FLEX SG, SS

TEF-FLEX SG hose is specially designed for in-plant transfer, rail and tank truck loading of many aggressive chemicals, solvents and acids including chloride and fluoride compounds. PTFE bore liner and special barrier layers assure maximum product life in applications where solvents and aromatics are transferred and electrical continuity and clean transfers are critical.

**Typical applications:** Chemical plants and refineries, chemical haulers, pharmaceutical manufacturers

**Conveyants handled:** Very aggressive or corrosive chemicals where a PTFE liner is mandatory at rated discharge pressure or at full suction. For extremely aggressive chemicals (butyl chloride, chlorosulphonic acid, oleum, >60% nitric acid, pentachlorethane) see Special Chemiflex (page 9). Refer to the Chemical Compatibility Chart for specific recommendations.

#### Features:

- Light weight – easy to handle
- Flexible – even at low temperatures
- PTFE liner with a polypropylene and polyester carcass – for maximum chemical resistance
- Abrasion-resistant PVC-coated fabric outer cover – greater durability and safety
- Double end-to-end electrical continuity – prevents static electricity build-up and internal arcing
- Choice of galvanized or Stainless Steel outer wire – for maximum durability depending on external environment



#### Bore Liner

#### Inner Wire

#### Outer Wire

#### Carcass

#### Cover

#### Temperature Range

#### Color

#### Couplings

- PTFE-Teflon
- 316 Stainless Steel (see Chemical Compatibility Chart for specific recommendations)
- Galvanized Steel (316 Stainless Steel available)
- All polypropylene fabrics, films with polyester barrier layers
- Abrasion and ozone-resistant PVC-impregnated fabric
- -22°F(-30°C) to +212°F(+100°C) (refer to Chemical Compatibility Chart)
- Green with yellow stripe (SG), Green with green stripe (SS)
- Externally swaged: NPT threaded; fixed, floating, reducing flanges; cam-and-groove quick-disconnect couplings, female lugs supplied per order.

#### Code 947 – TEF-FLEX SG, SS:

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 (14.0)	3.5 (89)	0.6 (0.9)	60 (18)
1½ (38)	2 (50)	200 (14.0)	4.5 (114)	1.0 (1.5)	60 (18)
2 (50)	2½ (65)	200 (14.0)	5.5 (140)	1.3 (2.0)	60 (18)
3 (75)	3½ (88)	200 (14.0)	8.5 (216)	2.1 (3.2)	60 (18)
4 (75)	4½ (115)	150 (10.5)	12.5 (318)	2.3 (3.5)	60 (18)

\* 4:1 safety factor