

TIFT-Compoflex Composite Hose Products

CHEMICAL HOSES

Code 976/000: SPECIAL CHEMIFLEX SG

Code 976/001: SPECIAL CHEMIFLEX SS

SPECIAL CHEMIFLEX hose is recommended in chemical production and transportation applications for chemicals that are not compatible with polypropylene materials.

Typical applications: Chemical plants and refineries, chemical haulers

Conveyants handled: Very aggressive or corrosive chemicals where a Teflon-FEP liner is mandatory. Chemicals include: butyl chloride, chlorosulphonic acid, oleum and pentachlorethane at rated discharge pressure or at full suction. Refer to the Chemical Compatibility Chart for specific recommendations.

Features:

- Light weight – easy to handle
- Flexible – even at low temperatures
- FEP and PTFE fabric and film – maximum resistance to aggressive chemicals
- Abrasion-resistant PVC-impregnated 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

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

Code 976 – SPECIAL CHEMIFLEX 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)	250 (17.5)	4 (100)	0.6 (0.9)	60 (18)
1½ (38)	2 (50)	250 (17.5)	6 (150)	1.0 (1.5)	60 (18)
2 (25)	2½ (65)	250 (17.5)	7 (175)	1.4 (2.1)	60 (18)
2½ (65)	3 (75)	250 (17.5)	8 (200)	2.0 (3.0)	60 (18)
3 (75)	3½ (88)	250 (17.5)	11 (275)	2.4 (3.6)	60 (18)
4 (100)	4½ (115)	200 (14)	14 (350)	3.0 (4.5)	60 (18)

* 4:1 safety factor