



## Chemiflex® Heavy Duty Polypropylene Chemical Hose

### Type PGP951

**Applications:** This type is designed for use as a more robust chemical transfer service in heavy use truck and railcar loading, polypropylene coated steel wire and polypropylene inner liner for maximum chemical resistance

**Construction:**

- Color/Cover: Gray with a blue stripe/PVC coated Nylon, Abrasion, UV and Ozone resistant
- Inner Wire: Black Polypropylene Coated Steel Wire
- Inner lining: High Density Polypropylene
- Carcass: Polypropylene fabrics, films
- Outer Wire: Galvanized Steel
- Additional Options: Special Color Coding and branding

**Physical properties:**

- Temperature Range: -22°F to +212°F (-30°C to +100°C)
- Maximum elongation: ≤10% on test pressure
- Vacuum range: 26 inHg (660 mmHg), 0.9 bar
- Electrical properties: Electrically Conductive
  - ≤2.5 ohm/m for sizes less than 2"
  - ≤1.0 ohm/m for size 2" and above

**Standards:** BS5842, NAHAD-600:2005

**End Fittings:** Specially designed end fittings have been developed for use with United Flexible composite hoses that have a unique leak-proof sealing face and specially machined helical spiral shank which engages into the corresponding internal helix wire when secured into the hose by either crimping or swaging the external ferrules. See page 22 for more information about end connections.

TECHNICAL DATA: TYPE PGP951									
Inside Diameter		Working Pressure		Min. Bend Radius		Approx Weight		Maximum Length	
Inches	mm	PSI	Bar	Inches	mm	lb/ft	kg/m	Feet	Meters
1	25	<b>250</b>	<b>17</b>	4	100	0.6	0.9	100	30
1¼	32	<b>250</b>	<b>17</b>	5	125	0.75	1.1	100	30
1½	40	<b>250</b>	<b>17</b>	5	125	1	1.5	100	30
2	50	<b>250</b>	<b>17</b>	6	150	1.5	2.2	100	30
2½	65	<b>250</b>	<b>17</b>	7	175	2.1	3.1	100	30
3	80	<b>250</b>	<b>17</b>	8	200	2.3	3.2	100	30
4	100	<b>200</b>	<b>14</b>	13	325	3	4.5	100	30

Pressure based on safety factor 4:1

Dimensions and weight are approximate and are subject to change

For additional technical data such as pressure drop, max. flow rates and tensile strength, please consult United Flexible engineering

Increased operating temperatures will reduce working pressure of the assemblies

Fitting pressure rating may limit working pressure of the assembly

Rated working pressure is @ 70°F (21°C)