4121SGF

4124SSF

Heavy Duty Fluoropolymer Chemical Hose
Type 4121SGF and 4124SSF

Applications: This type is designed for hazardous chemicals where a PTFE chemical resistant liner is required for tank truck, railcar, and in plant transfers suitable for use with a wide variety of chemicals

Construction:

Color/Cover:	4121SGF Light Blue/PVC coated Nylon, Abrasion, Ozone resistant 4124SSF Light Blue yellow stripe/PVC coated Nylon, Abrasion, Ozone resistant
Inner Wire:	T316 Stainless Steel Wire
Inner lining:	PFA, FEP, ETFE
Carcass:	Polypropylene fabrics, films and seamless tubes
Outer Wire:	4121SGF Galvanized Steel 4124SSF T316 Stainless Steel
Extra:	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: EN13765:2010, IMO, IBC, BS5842, NAHAD-600:2005

End Fittings: Specially designed end fittings have been developed for use with Willcox 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 28 for more information about end connections.

TECHNICAL DATA: TYPE 4121SGF AND 4124SSF

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	**250**	**17.5**	5.0	125	0.9	1.3	100	30
1½	40	**250**	**17.5**	6.0	150	1.1	1.6	100	30
2	50	**250**	**17.5**	6.0	150	1.4	2.1	100	30
3	80	**250**	**17.5**	9.0	225	2.1	3.1	100	30
4	100	**250**	**17.5**	11.0	275	2.5	3.7	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)