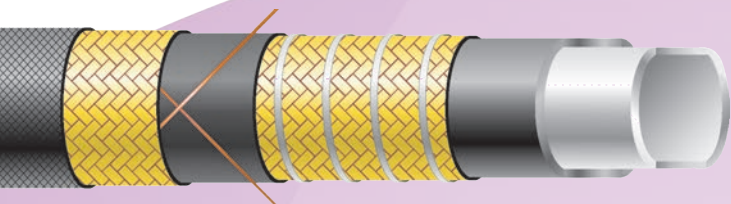


CHEMICAL HOSE - RESIST U UPE-P

UPE-P, the chemical safety hose with insulating and transparent UPE layer. Suitable for the transport of acids, alkalis, salts, organic compounds (alcohols, esters, ketones etc.) including aromatics, chlorinated hydrocarbons and oxidising acids according to resistance lists. Resist U has been used for years with great success in the pharmaceutical and cosmetics industry. The Resist U core has an extremely low coefficient of friction and good abrasion resistance. Norm/approval: EN 12115:2011, TRbF 131/2:1992

Note: The temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the cable must be carried out according to EN12115:2011



Temperature range: Core depending on flow medium up to +100°C, hose flexible up to -35°C, steam cleaning pressureless up to 130°C / max. 30 min

Safety factor: 4 : 1

Core: UPE, transparent, smooth, insulating
insert: special rubber foil, textile inserts, two crossed copper strands, galvanized steel wire spiral
Cover: EPDM, black, electrically conductive, abrasion resistant, weatherproof, fabric impression

Labelling: continuous writing tape, purple/white: "SEMPERIT S Resist-U Chemie UPE-P" and continuous embossing in relief: "SEMPERIT S EN 12115 UPE-P SD (DN) PN 16 bar M Quarter/year TRbF 131/2".

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/meter)	Roll Length (meter)
1690.019060	19	6,0	16	0,9	190	0,80	40
1690.025065	25	6,0	16	0,9	225	1,00	40
1690.032075	32	6,0	16	0,9	265	1,20	40
1690.038075	38	6,5	16	0,9	340	1,40	40
1690.050075	50	8,0	16	0,9	415	2,30	40
56363 6380	63	8,0	16	0,9	450	3,00	40
1690.075075	75	8,0	16	0,9	525	3,45	40
56363 0080	100	8,0	16	0,9	675	5,20	40

suitable fittings for all chemical hoses shown

Shell fittings according to EN 14420-2-3-5 (DIN 2817) - Details page 073/ 103



Lever-arm couplings according to EN 14420-7 (DIN 2828) - Details page 075



CHEMICAL HOSE FLEXICHEM UPEL

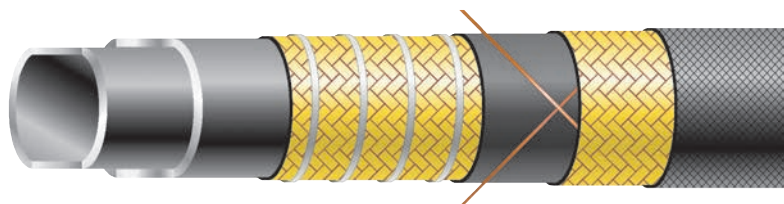
Flexichem, the highly flexible chemical safety hose with black, conductive UPE layer for mobile use. Suitable for the transport of acids, alkalis, salts, organic compounds (alcohols, esters, ketones etc.) including aromatics, chlorinated hydrocarbons and oxidising acids (see our resistance list). The UPE core has a low coefficient of friction and good abrasion resistance. Norm/approval: EN 12115:2011, TRbF 131/2:1992.

Note: The temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the pipe must be carried out in accordance with EN 12115:2011.

Temperature range: Core depending on flow medium up to +100°C, hose flexible up to -35°C, steam cleaning pressureless up to 130°C / max. 30 min

Safety factor: 4 : 1

Core: UPE, black, smooth, electrically conductive
 Inlay: special rubber foil, textile inserts wrapped, two crossed copper strands, galvanized steel wire spiral
 Cover: EPDM, black, smooth, electrically conductive, abrasion resistant, weather resistant, fabric impression
 Marking: continuous writing band, blue/white: "SEMPERIT S Chemistry FLEXICHEM" and consecutive raised embossing: "SEMPERIT S EN 12115 FLEXIBLE SD (DN). PN .. bar Ω / T quarter/year TRbF 131/2".

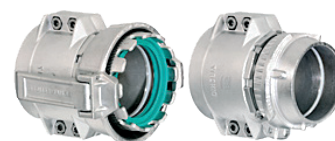


Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/ meter)	Roll Length (m)
48374 1960	19	6,0	16	0,9	125	0,70	40
48374 2560	25	6,0	16	0,9	150	0,85	40
48374 3260	32	6,0	16	0,9	175	1,05	40
48374 3865	38	6,5	16	0,9	225	1,20	40
48374 5080	50	8,0	16	0,9	275	1,60	40
56374 6380	63	8,0	16	0,9	300	2,40	40
56374 7580	75	8,0	16	0,9	350	2,60	40
56374 0080	100	8,0	16	0,9	450	4,00	40

Shell valves with flanges according to EN 14420-2-3-5 (DIN 2817) - Details page 108



Tank truck couplings according to EN 14420-6 (DIN 28450) - Details page 074

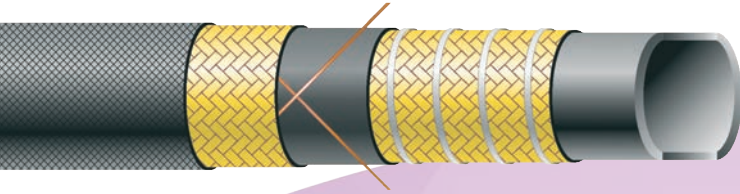


Shell fittings for the chemical and pharmaceutical industry made of stainless steel 1.4571/1.4401 with pressed aluminium shells. Thread seals made of PTFE



CHEMICAL HOSE - FLEXICHEM EPDM

Suitable as a filling hose in the chemical and raw material extraction industry for suction and pressure loads. Resistant to hot water, washing lyes, non-oxidising acids and alkalis. Norm/approval: EN 12115:2011, TRbF 131/2:1992 Note: The temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the pipe must be carried out according to EN 12115:2011



Temperature range: Core depending on flow medium up to +100°C, hose flexible up to -35°C, steam cleaning pressureless up to 130°C / max. 30 min
Safety factor: 4 : 1

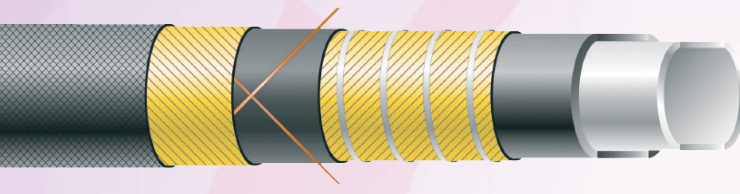
Core: UPE, transparent, smooth, insulating
insert: special rubber foil, textile inserts, two crossed copper strands, galvanized steel wire spiral
Cover: EPDM, black, electrically conductive, abrasion resistant, weatherproof, fabric impression

Labelling: continuous writing tape, purple/white: "SEMPERIT S Resist-U Chemie UPE-P" and continuous, embossed: "SEMPERIT S EN 12115 UPE-P SD (DN) PN 16 bar M Quarter/year TRbF 131/2 "

Article Number	Nominal Width (mm)	Wandstärke (mm)	Betriebsdruck (bar)	Vakuum (bar)	Biegeradius (mm)	Gewicht (ca. kg/ m)	Rollenlänge (m)
48369 2560	25	6,0	16	0,9	100	0,80	40
48369 3260	32	6,0	16	0,9	125	1,00	40
48369 3865	38	6,5	16	0,9	175	1,15	40
48369 5080	50	8,0	16	0,9	225	1,60	40
56369 6380	63	8,0	16	0,9	275	2,40	40
56369 7580	75	8,0	16	0,9	300	2,60	40
56369 0080	100	8,0	16	0,9	400	4,00	40

CHEMICAL HOSE - RESIST FEP

FEP, the premium chemical hose with fluorinated plastic core. Suitable for the transport of almost all chemicals used in the chemical industry (see our resistance list). Core: very good resistance or tightness against chemicals. Excellent temperature resistance. Norm/approval: EN 12115:2011, TRbF 131/2:1992. Note: Temperature of the flow medium must be below its boiling point! Continuous loads in the limit range impair the service life! Leak test of the pipe must be carried out according to EN 12115:2011



Temperature range: Core depending on flow medium up to +150°C, hose flexible up to -20°C.
Steam cleaning pressureless up to 130°C /max. 30 min
Safety factor: 4 : 1

Core: FEP, smooth, insulating
Inlay: Textile inlays wrapped, two crossed Copper licenses, galvanized steel wire spiral
Cover: CR, black, electrically conductive, abrasion resistant, weatherproof, fabric impression

Marking: continuous writing band, red/white/blue: "SEMPERIT S Resist-P-Chemie FEP" as well as continuous, embossed: "SEMPERIT S EN 12115 FEP SD (DN) PN 16 bar M Quarter/year TRbF 131/2".

Article Number	Nominal Width (mm)	Wall Thickness (mm)	Operating Pressure (bar)	Vacuum (bar)	Bending Radius (mm)	Weight (kg/ m)	Roll Length (meter)
1695.019000	19	6,0	16	0,9	190	0,70	40
1695.025000	25	6,0	16	0,9	225	0,90	40
56362 3865	38	6,5	16	0,9	340	1,35	40
56362 5080	50	8,0	16	0,9	415	1,90	40
56362 7580	75	8,0	16	0,9	525	3,25	40