

Technical Data - Resistance to Chemicals

Page number	Conduit System		ASTM NO. 1	ASTM NO. 2	ASTM NO. 3	ACETIC ACID (10%)	ACETONE	ALUMINIUM CHLORIDE	BENZENE	CARBON TETRACHLORIDE	CHLOROFORM	CITRIC ACID	COPPER SULPHATE	CRESOL	DIESEL OIL	DIETHYLAMINE	ETHANOL	ETHER	ETHYLAMINE	ETHYLENE GLYCOL	FFRON 32	HYDROCHLORIC ACID (10%)	HYDROCHLORIC ACID (30%)	
92	FU	galvanised steel	✓	✓	✓	×	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	
92	SSU	stainless steel, grade 316	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×
94	FSU	galvanised steel, pvc coated	×	×	×	L	×	×	×	×	×	✓	✓	L	L	×	×	×	×	L	L	✓	×	
94	FNU	galvanised steel, nylon coated	✓	✓	✓	L	✓	×	L	✓	×	✓	L	×	✓	✓	✓	✓	✓	✓	✓	✓	×	×
96	LFHU	galvanised steel, LFH coated	L	L	L	✓	×	×	×	×	×	✓	✓	×	×	✓	×	×	×	✓	×	×	×	
96	FPU	galvanised steel, polyurethane coated	✓	✓	✓	×	L	L	L	L	×	✓	✓	×	✓	L	✓	L	×	✓	×	×	×	
98	LTP	galv steel, pvc coated, liquid tight	L	L	L	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
98	LTPAS	galv steel, pvc coated, liquid tight	L	L	L	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
98	LTPHC	galv steel, thermoplastic rubber, liquid tight	✓	L	L	✓	✓	×	×	L	L	✓	✓	✓	✓	✓	✓	✓	L	✓	×	✓	✓	
98	LTPLFH	galv steel, LFH coated, liquid tight	✓	✓	✓	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
99	LTPUL	galv steel, PVC coated, liquid tight	✓	✓	✓	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
99	LTPPU	galv steel, polyurethane coated, liquid tight	✓	✓	✓	×	L	L	L	L	×	✓	✓	×	✓	L	✓	L	×	✓	×	×	×	×
99	LTPPUAS	galv steel, polyurethane coated, liquid tight	✓	✓	✓	×	L	L	L	L	×	✓	✓	×	✓	L	✓	L	×	✓	×	×	×	×
99	LTPSS	stainless steel, pvc coated, liquid tight	✓	✓	✓	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
100	LTBRDP	galv steel, braided core, pvc coated, liquid tight	✓	✓	✓	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
100	LTBRDLFH	galv steel, braided core, LFH coated, liquid tight	L	L	L	✓	×	×	×	×	×	✓	✓	×	L	✓	×	×	×	✓	×	×	×	×
110	LTPBRD	galv steel, rubber coated, SS316 overbraid	✓	L	L	✓	✓	×	×	L	L	✓	✓	✓	✓	✓	✓	✓	L	✓	×	✓	✓	
112	LTP-FG	galv steel, pvc coated, liquid tight	L	L	L	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
112	LTBRDP-FG	galv steel, pvc coated, liquid tight	L	L	L	✓	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	L	L	×
112	LTPSS-FG	stainless steel, pvc coated, liquid tight	✓	✓	✓	✓	×	×	×	L	×	✓	✓	L	✓	L	×	L	L	L	L	L	L	×
114	FL	galvanised steel, pliable	✓	✓	✓	×	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×
115	FLP	galvanised steel, pvc coated, pliable	×	×	×	L	×	×	×	L	×	✓	✓	L	L	L	×	L	L	L	L	✓	L	
116	LFHP	galvanised steel, LFH coated, pliable	L	L	L	✓	×	×	×	×	×	✓	✓	×	×	✓	×	×	×	✓	×	×	×	×
116	FB	galvanised steel, galv steel overbraid	✓	✓	✓	×	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×
118	FUSSB	galvanised steel, SS316 overbraid	✓	✓	✓	×	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×	×	×	×
118	FSB	galv steel, pvc, galv steel overbraid	×	×	×	L	×	×	×	×	×	✓	✓	L	L	×	×	×	×	L	L	✓	×	
120	LFHUBRD	galv steel, LFH coated, SS316 overbraid	L	L	L	✓	×	×	×	×	×	✓	✓	×	×	✓	×	×	×	✓	×	×	×	×
120	FSS	stainless steel corrugated	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×
122	FSSBRD	stainless steel corrugated, overbraid	✓	✓	✓	✓	✓	×	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	×	×
122	FPRSS	PA6 corrugated, SS316 overbraid	✓	✓	✓	L	✓	×	✓	✓	×	✓	L	×	✓	✓	✓	✓	✓	✓	✓	✓	×	×
122	FPRTC	PA6 corrugated, tinned copper overbraid	✓	✓	✓	L	✓	×	✓	✓	×	✓	L	×	✓	✓	✓	✓	✓	×	×	×	×	×
122	FPISS	PA12 corrugated, SS316 overbraid	✓	✓	✓	L	✓	L	✓	✓	×	✓	L	×	✓	L	L	✓	L	✓	✓	✓	×	×
122	FPIHSS	PA12 corrugated, SS316 overbraid	✓	✓	✓	L	✓	L	✓	✓	×	✓	L	×	✓	L	L	✓	L	✓	✓	✓	×	×
122	FPIHRSS	PA12 corrugated, SS316 overbraid	✓	✓	✓	L	✓	L	✓	✓	×	✓	L	×	✓	L	L	✓	L	✓	✓	✓	×	×

key

✓ good resistance
L limited resistance

PP suitable with polypropylene fittings
SS suitable with stainless steel fittings

×

poor resistance

Metallic conduit and fittings

Visit our website and use our conduit selector tool to see chemical resistance properties.

NEW



HYDROGEN PEROXIDE (30%)	HYDROGEN PEROXIDE (60%)	LACTIC ACID	LUBRICATING OIL	METHANOL	METHYL BROMIDE	MEK	NITRIC ACID (10%)	NITRIC ACID (60%)	OXALIC ACID	OZONE (GAS)	PARAFFIN OIL	PETROL	PHENOL	SEA WATER	SILVER NITRATE	SKYDROL	SODIUM CHLORIDE	SODIUM HYDROXIDE (10%)	SODIUM HYDROXIDE (60%)	SULPHUR DIOXIDE (GAS)	SULPHURIC ACID (10%)	TOLUENE	TRANSFORMER OIL	1,1,1-TRICHLOROETHANE	TRICHLOROETHYLENE	TURPENTINE	VEGETABLE OIL	VINYL ACETATE	WATER	WHITE SPIRIT	ZINC CHLORIDE		
X	X	X	✓	✓	✓	✓	X	X	X	X	✓	✓	✓	X	X	✓	X	X	X	X	X	✓	✓	X	X	✓	✓	X	X	✓	X	FU	
✓	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	✓	✓	SS	✓	✓	SS	✓	L	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	SSU		
✓	✓	L	L	X	X	X	✓	✓	X	L	L	X	X	X	✓	X	X	✓	L	X	X	X	L	X	L	L	X	✓	L	✓	FSU		
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	X	✓	✓	X	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	X	FNU		
X	X	✓	L	X	X	X	✓	X	✓	✓	X	X	X	X	✓	X	✓	✓	✓	X	X	L	L	L	L	X	L	X	✓	X	✓	LFHU	
L	X	L	L	L	X	L	X	X	L	L	L	✓	X	X	L	X	✓	L	X	L	L	X	L	X	X	X	✓	X	✓	L	L	FPU	
L	X	L	✓	X	X	L	L	X	✓	L	X	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTP	
L	X	L	✓	X	X	L	L	X	✓	L	X	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTPAS	
L	X	L	L	✓	L	✓	✓	✓	✓	L	✓	✓	✓	SS	✓	✓	SS	✓	X	✓	SS	X	X	L	X	X	✓	✓	✓	X	✓	LTPHC	
L	X	L	L	X	X	X	L	X	✓	L	L	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	L	X	✓	L	X	LTPLFH	
L	X	L	✓	X	X	X	L	X	✓	L	✓	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTPUL	
L	X	L	L	L	X	L	X	X	L	L	L	✓	X	SS	L	X	✓	L	X	L	L	X	L	X	X	X	✓	X	✓	L	L	LTPPU	
L	X	L	L	L	X	L	X	X	L	L	L	✓	X	SS	L	X	✓	L	X	L	L	X	L	X	X	X	✓	X	✓	L	L	LTPPUAS	
L	X	L	✓	X	X	X	L	X	✓	L	✓	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTPSS	
L	X	L	✓	X	X	L	L	X	✓	L	✓	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTBRDP	
X	X	✓	L	X	X	X	✓	X	✓	✓	X	L	X	SS	✓	X	✓	✓	X	X	L	L	L	L	X	L	X	✓	X	✓	X	✓	LTBRDLFH
L	X	L	L	✓	L	✓	✓	✓	✓	L	✓	✓	✓	L	✓	✓	SS	✓	X	✓	SS	X	X	L	X	X	✓	✓	✓	X	✓	LTPBRD	
L	X	L	✓	X	X	L	L	X	✓	L	X	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTP-FG	
L	X	L	✓	X	X	L	L	X	✓	L	X	L	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTBRDP-FG	
L	X	L	✓	X	X	X	L	X	✓	L	✓	✓	L	SS	✓	X	SS	✓	✓	X	SS	X	L	X	X	L	✓	X	✓	L	X	LTPSS-FG	
X	X	X	✓	✓	✓	✓	X	X	X	X	✓	✓	✓	X	X	✓	X	X	X	X	X	✓	✓	X	X	✓	✓	X	X	✓	X	FL	
✓	✓	L	L	X	X	X	✓	✓	L	L	L	X	L	L	✓	X	L	✓	L	X	X	X	L	X	X	L	L	X	✓	L	✓	FLP	
X	X	✓	L	X	X	X	✓	X	✓	✓	X	X	X	L	✓	X	✓	✓	✓	X	X	L	L	L	L	X	L	X	✓	X	✓	LFHP	
X	X	X	✓	✓	✓	✓	X	X	X	X	✓	✓	✓	X	X	✓	X	X	X	X	X	✓	✓	X	X	✓	✓	X	X	✓	X	FB	
X	X	X	✓	✓	✓	✓	X	X	X	X	✓	✓	✓	X	X	✓	X	X	X	X	X	✓	✓	X	X	✓	✓	X	X	✓	X	FUSSB	
X	X	X	L	X	X	X	X	X	X	X	L	X	X	X	X	X	X	X	X	X	X	X	L	X	X	L	L	X	X	L	X	FSB	
X	X	✓	L	X	X	X	✓	X	✓	✓	X	X	X	X	✓	X	✓	✓	✓	X	X	L	L	L	L	X	L	X	✓	X	✓	LFHUBRD	
✓	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	✓	✓	SS	✓	✓	SS	✓	L	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FSS	
✓	✓	✓	✓	✓	✓	✓	X	X	✓	✓	✓	✓	✓	SS	✓	✓	SS	✓	L	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	FSSBRD	
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	L	✓	✓	✓	✓	✓	X	X	✓	✓	✓	L	✓	✓	L	✓	✓	X	FPRSS	
X	X	X	✓	L	X	✓	X	X	X	X	✓	✓	X	X	X	X	X	X	X	X	X	✓	✓	X	L	✓	X	L	✓	✓	X	FPRTC	
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	L	✓	✓	✓	✓	L	X	X	✓	✓	✓	X	✓	✓	L	✓	✓	X	FPISS	
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	L	✓	✓	✓	✓	L	X	X	✓	✓	✓	X	✓	✓	L	✓	✓	X	FPIHSS	
X	X	L	✓	L	X	✓	X	X	L	X	✓	✓	X	L	✓	✓	✓	✓	L	X	X	✓	✓	✓	X	✓	✓	L	✓	✓	X	FPIHRSS	

The chart above is based on exposure to single chemicals at room temperature and should be used as a selection guide. For additional chemicals, higher concentrations, elevated temperatures or combinations of chemicals, please call +44 (0)1675 466900 for technical advice.