PVC-U PRESSURE PIPES



TECHNICAL FEATURES

- PVC-U pressure pipes for cold chemical weld jointing (solvent welding) with solvent cement and cleaner.
- Metric series to UNI EN ISO 1452-2: PN 10 and PN 16, plain ends, 5 m lengths.
- BS series to BS EN 1452 / BS 3505: Class C (PN 9), Class D (PN 12) and Class E (PN 15), 6 m lengths.
- Colour: grey RAL 7011.

TECHNICAL SPECIFICATIONS

Size range	20 mm – 160 mm
Nominal pressure	PN16 with water at 20 °C PN10 with water at 20 °C
Temperature range	0 °C – 60 °C
Coupling standards	Solvent welding: EN ISO 15493, EN ISO 1452, DIN 8061/62
Reference standards	Construction criteria: EN ISO 15493, EN ISO 1452, DIN 8061/62 Test methods and requirements: EN ISO 15493, EN ISO 1452, DIN 8061/62 Installation criteria: DVS 2204, DVS 2221, UNI 11242, EN ISO 1452, DIN 8061/62
Material	PVC-U dark grey, RAL 7011

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OVERALL DIMENSION

PN 10 – metric series

PVC-U PN10 pressure pipe, plain end, UNI EN ISO 1452-2. Grey RAL 7011.

D (mm)	S (mm)	L (m)	WEIGHT (kg/m)	QTY x PALLET	CODE
32	1.6	5	0.24	449	PIPEV2103200A
40	1.9	5	0.36	275	PIPEV2104000A
50	2.4	5	0.56	194	PIPEV2105000A
63	3.0	5	0.89	123	PIPEV2106300A
75	3.6	5	1.24	87	PIPEV2107500A
90	4.3	5	1.78	96	PIPEV2109000A
110	4.2	5	2.15	57	PIPEV2611000A
125	4.8	5	2.77	51	PIPEV2612500A
160	6.2	5	4.61	33	PIPEV2616000A

PN 16 – metric series

PVC-U PN16 pressure pipe, UNI EN ISO 1452-2. Grey RAL 7011.

D (mm)	S (mm)	L (m)	WEIGHT (kg/m)	QTY x PALLET	CODE
20	1.5	5	0.14	1166	PIPEV1302000A
25	1.9	5	0.22	757	PIPEV1302500A
32	2.4	5	0.35	449	PIPEV1303200A
40	3.0	5	0.54	275	PIPEV1304000A
50	3.7	5	0.83	194	PIPEV1305000A
63	4.7	5	1.31	123	PIPEV1306300A
75	5.6	5	1.86	87	PIPEV1307500A
90	6.7	5	2.66	96	PIPEV1309000A
110	6.6	5	3.26	57	PIPEV1711000A
125	7.4	5	4.15	51	PIPEV1712500A
140	8.3	5	5.29	45	PIPEV1714000A
160	9.5	5	6.89	33	PIPEV1716000A

PN 9 / Class C – BS series

PVC-U PN9 / Class C pressure pipe, BS EN 1452, BS 3505. Grey RAL 7011.

D (inches)	S (mm)	L (m)	WEIGHT (kg/m)	QTY x PALLET	CODE
2”	2.5	6	0.73	252	PIPEVBSC20006A
3”	3.5	6	1.48	96	PIPEVBSC30006A
4”	4.5	6	2.42	67	PIPEVBSC40006A
6”	6.6	6	5.20	30	PIPEVBSC60006A

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PN 12 / Class D – BS series

PVC-U PN12 / Class D pressure pipe, BS EN 1452, BS 3505. Grey RAL 7011.

D (inches)	S (mm)	L (m)	WEIGHT (kg/m)	QTY x PALLET	CODE
1 1/4”	2.5	6	0.58	207	PIPEVBSD11406L
1 1/2”	2.2	6	0.44	292	PIPEVBSD11206L

PN 15 / Class E – BS series

PVC-U PN15 / Class E pressure pipe, BS EN 1452, BS 3505. Grey RAL 7011.

D (inches)	S (mm)	L (m)	WEIGHT (kg/m)	QTY x PALLET	CODE
1”	2.2	6	0.34	436	PIPEVBSE10006A
1 1/2”	3.1	6	0.70	207	PIPEVBSE11206A
1 1/4”	2.7	6	0.54	292	PIPEVBSE11406A
1/2”	1.7	6	0.17	1103	PIPEVBSE01206A
2”	3.9	6	1.08	252	PIPEVBSE20006A
3”	5.7	6	2.32	96	PIPEVBSE30006A
3/4”	1.9	6	0.24	664	PIPEVBSE03406A
4”	7.3	6	3.79	67	PIPEVBSE40006A
6”	10.8	6	8.20	30	PIPEVBSE60006A

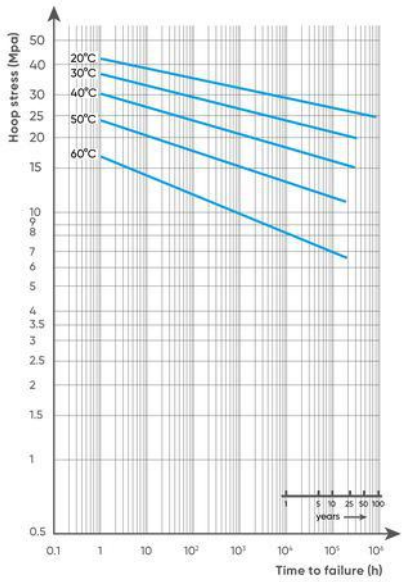
D = outside diameter, S = wall thickness, L = pipe length.

PVC-U PRESSURE PIPES

PRESSURE AND TEMPERATURE

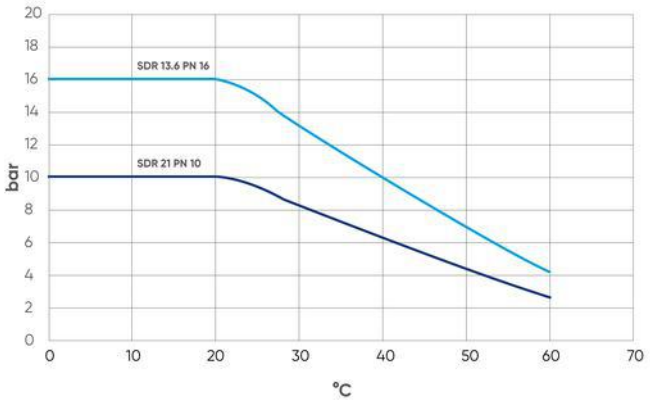
Regression curve for PVC-U

Regression coefficients according to EN ISO 1452 and EN ISO 15493 for MRS (minimum required strength) values = 25 N/mm² (MPa) (classification PVC-U 250).



Pressure variation according to temperature

For water and non-hazardous fluids for which the material is classified as chemically resistant (life expectancy 25 years). In other cases a reduction of the nominal pressure PN is required.



Specifications are subject to change without notice.