

Coupling Working Pressure Rating on Light Wall Roll Grooved Steel Pipe

Gruvlok Coupling Working Pressure Rating (PSI) On Light Wall Roll Grooved Steel Pipe

Nominal Size	O.D.	Nom. Wall Thickness	Pipe Schedule	Maximum Working Pressure (PSI*)												
				Fig. 7000	Fig. 7001	Fig. 7003	Fig. 7004	Fig. 7005	Fig. 7010*	Fig. 7012	Fig. 7013	Fig. 7400	Fig. 7401	Fig. 74/7402	Fig. 70	
In./DN (mm)	In./mm	In.	Number	Lightweight	Standard	Hingelok®	High Pressure	Roughneck®	Reducing	Flange	Flange	Rigidlite®	Rigidlok®	SlideLOK®	SlideFLEX™	
1 25	1.315 33.4	0.065	5	300	500	-	-	-	-	-	-	175	-	-	-	
		0.085	XL	300	300	-	-	-	-	-	-	300	-	-	-	
		0.109	10	600	750	-	-	-	-	-	-	300	-	-	-	
1¼ 32	1.660 42.2	0.065	5	300	500	-	-	-	-	-	-	175	-	-	-	
		0.085	XL	300	300	-	-	-	-	-	-	300	-	-	-	
		0.109	10	600	750	-	-	-	-	-	-	300	-	-	-	
1½ 40	1.900 48.3	0.065	5	300	500	200	-	-	-	-	-	175	500	-	-	
		0.090	XL	300	300	250	-	-	-	-	-	300	300	-	-	
		0.109	10	600	750	300	-	-	-	-	-	300	750	-	-	
2 50	2.375 60.3	0.065	5	300	500	200	500	-	250	200	500	175	500	-	-	
		0.090	XL	300	300	250	300	-	300	300	300	300	300	300	-	-
		0.109	10	600	750	300	800	500	350	300	720	300	750	600	750	
2½ 65	2.875 73.0	0.083	5	300	500	200	500	-	250	200	500	175	500	-	-	
		0.130	XL	300	300	250	300	-	300	300	300	300	300	300	-	-
		0.120	10	600	750	300	800	500	350	300	720	300	750	600	750	
3 80	3.500 88.9	0.083	5	300	500	200	500	-	250	200	500	175	500	-	-	
		0.130	XL	300	300	250	300	-	300	300	300	300	300	300	-	-
		0.120	10	600	750	300	800	500	350	300	720	300	750	600	750	
3½ 90	4.000 101.6	0.083	5	300	500	-	-	-	-	-	-	-	-	-	-	
		0.120	10	600	750	-	-	-	-	-	-	-	-	-	-	
		0.156	5	-	200	-	200	-	-	200	200	-	200	-	-	
4 100	4.500 114.3	0.083	5	300	500	200	400	-	200	200	500	175	500	-	-	
		0.120	10	600	750	300	600	400	300	300	720	300	750	500	750	
		0.156	5	-	200	-	200	-	-	200	200	-	200	-	-	
5 125	5.563 141.3	0.109	5	250	400	200	400	-	200	200	400	175	400	-	-	
		0.134	10	500	500	250	600	400	300	300	500	300	500	500	-	
		0.156	5	-	200	-	200	-	-	200	200	-	200	-	-	
6 150	6.625 168.3	0.109	5	250	350	150	400	-	200	200	350	175	350	-	-	
		0.134	10	400	500	200	500	300	300	300	500	300	500	500	500	
		0.188	-	400	500	200	700	-	350	300	500	300	500	-	-	
8 200	8.625 219.1	0.109	5	250	300	150	300	-	150	200	300	175	300	-	-	
		0.148	10	350	400	200	400	300	250	300	400	175	400	300	400	
		0.188	-	350	400	200	500	-	300	300	400	300	400	-	-	
10 250	10.750 273.1	0.250	20	350	500	250	600	-	300	300	500	300	500	-	-	
		0.134	5	-	250	-	300	-	-	200	250	-	250	-	-	
		0.165	10	-	350	-	400	-	-	200	350	-	350	-	-	
12 300	12.750 323.9	0.188	-	-	350	-	400	-	-	300	350	-	350	-	-	
		0.250	20	-	400	-	500	-	-	300	400	-	400	-	-	
		0.156	5	-	200	-	200	-	-	200	200	-	200	-	-	
14 350	14.000 355.6	0.156	5	-	125	-	-	-	-	125	-	-	125	-	-	
		0.250	10	-	250	-	-	-	-	250	-	-	250	-	-	
		0.312	20	-	275	-	-	-	-	250	-	-	275	-	-	
16 400	16.000 406.4	0.165	5	-	125	-	-	-	-	100	-	-	100	-	-	
		0.250	10	-	175	-	-	-	-	175	-	-	175	-	-	
		0.312	20	-	275	-	-	-	-	250	-	-	275	-	-	
18 450	18.000 457.2	0.250	10	-	100	-	-	-	-	100	-	-	100	-	-	
		0.312	20	-	175	-	-	-	-	175	-	-	175	-	-	
		0.250	10	-	100	-	-	-	-	100	-	-	100	-	-	
20 500	20.000 508.0	0.375	20	-	300	-	-	-	-	250	-	-	250	-	-	
		0.250	10	-	100	-	-	-	-	100	-	-	100	-	-	
		0.375	20	-	300	-	-	-	-	250	-	-	250	-	-	
24 600	24.000 609.6	0.250	10	-	75	-	-	-	-	75	-	-	75	-	-	
		0.375	20	-	300	-	-	-	-	250	-	-	250	-	-	

Maximum line pressure, including surge, to which a joint should be subjected on pipe roll grooved to standard roll grooving specification with coupling properly assembled. For coupling performance on standard wall steel pipe, refer to individual Gruvlok Coupling performance listing.
* Rating based on larger pipe size.

Coupling Working Pressure Rating on Roll Grooved ISO Size Steel Pipe

Gruvlok Coupling Working Pressure Rating (Bar) On Roll Grooved ISO Size Steel Pipe

Nominal Size	O.D.	Nom. Wall Thickness	Maximum Working Pressure (bar)									
			Fig. 7000	Fig. 7001	Fig. 7003	Fig. 7004	Fig. 7010*	Fig. 7012	Fig. 7013	Fig. 7400	Fig. 7401	Fig. 74/7402
In./DN(mm)	In./mm	mm	Lightweight	Standard	Hingelok®	High Pressure	Reducing	Flange	Flange	Rigidlite®	Rigidlok®	SlideLOK®
1 25	1.315 33.4	1.8	20.7	34.5	-	-	-	-	-	12.1	-	-
		2.9	41.4	51.7	-	-	-	-	-	20.7	-	-
		3.2	41.4	69.0	-	-	-	-	-	20.7	-	-
1¼ 32	1.660 42.2	1.8	20.7	34.5	-	-	-	-	-	12.1	-	-
		2.9	41.4	51.7	-	-	-	-	-	20.7	-	-
		3.6	41.4	69.0	-	-	-	-	-	20.7	-	-
1½ 40	1.900 48.3	1.8	20.7	34.5	13.8	-	-	-	-	12.1	34.5	-
		2.9	41.4	51.7	17.2	-	-	-	-	20.7	51.7	-
		3.6	41.4	69.0	20.7	-	-	-	-	20.7	51.7	-
2 50	2.375 60.3	1.8	20.7	34.5	13.8	34.5	17.2	13.8	34.5	12.1	34.5	-
		2.9	41.4	51.7	17.2	55.2	24.1	20.7	51.7	20.7	51.7	41.1
		3.6	41.4	69.0	20.7	82.3	24.1	20.7	69.0	20.7	51.7	51.7
2½ 65	2.875 73.0	2.0	20.7	34.5	13.8	34.5	17.2	13.8	34.5	12.1	34.5	-
		3.2	41.4	51.7	17.2	55.2	24.1	20.7	51.7	20.7	51.7	41.1
		5.0	41.4	69.0	20.7	82.3	24.1	20.7	69.0	20.7	51.7	51.7
3 O.D. 76.1	2.996 76.1	2.0	20.7	34.5	-	-	-	-	-	12.1	34.5	-
		3.2	41.4	51.7	-	-	-	-	-	20.7	51.7	-
		5.0	41.4	69.0	-	-	-	-	-	20.7	51.7	-
3 80	3.500 88.9	2.0	20.7	34.5	13.8	34.5	17.2	13.8	34.5	12.1	34.5	-
		3.2	41.4	51.7	17.2	55.2	24.1	20.7	51.7	20.7	51.7	41.1
		5.6	41.4	69.0	20.7	82.3	24.1	20.7	69.0	20.7	51.7	51.7
3½ 90	4.000 101.6	2.0	20.7	34.5	-	-	-	-	-	-	-	-
		3.2	41.4	51.7	-	-	-	-	-	-	-	-
		5.6	41.4	69.0	-	-	-	-	-	-	-	-
4 100	4.500 114.3	2.0	20.7	34.5	13.8	27.6	13.8	13.8	34.5	12.1	34.5	-
		3.2	41.4	51.7	17.2	41.4	20.7	20.7	51.7	20.7	51.7	34.5
		5.6	41.4	69.0	20.7	82.3	24.1	20.7	69.0	20.7	51.7	51.7
4¼ O.D. 108.0	4.250 108.0	2.0	20.7	-	-	-	-	-	-	-	-	-
		3.2	41.4	-	-	-	-	-	-	-	-	-
		5.6	41.4	-	-	-	-	-	-	-	-	-
5 125	5.563 141.3	2.9	17.2	27.6	10.3	27.6	13.8	13.8	27.6	12.1	27.6	-
		3.6	34.5	34.5	13.8	41.4	20.7	20.7	34.5	20.7	34.5	34.5
		6.3	34.5	69.0	20.7	82.3	24.1	20.7	69.0	20.7	51.7	51.7
5¼ O.D. 133.0	5.236 133.0	2.9	17.2	-	-	-	-	-	-	-	-	-
		3.6	34.5	-	-	-	-	-	-	-	-	-
		6.3	34.5	-	-	-	-	-	-	-	-	-
5½ O.D. 139.7	5.500 139.7	2.9	17.2	-	-	-	-	-	-	12.1	-	-
		3.6	34.5	-	-	-	-	-	-	20.7	-	-
		6.3	34.5	-	-	-	-	-	-	20.7	-	-
6 150	6.625 168.3	2.9	17.2	24.1	10.3	27.6	13.8	13.8	24.1	12.1	24.1	-
		3.6	27.6	34.5	13.8	34.5	20.7	20.7	34.5	20.7	34.5	34.5
		7.1	27.6	69.0	20.7	82.3	24.1	20.7	69	20.7	51.7	48.3
6¼ O.D. 159.0	6.259 159.0	2.9	17.2	-	-	-	-	-	-	-	-	-
		3.6	27.6	-	-	-	-	-	-	-	-	-
		7.1	27.6	-	-	-	-	-	-	-	-	-
6½ O.D. 165.1	6.500 165.1	2.9	17.2	24.1	-	-	-	-	-	12.1	24.1	-
		3.6	27.6	34.5	-	-	-	-	-	20.7	34.5	-
		7.1	27.6	69.0	-	-	-	-	-	20.7	51.7	-
8 200	8.625 219.1	2.9	17.2	20.7	10.3	20.7	10.3	13.8	20.7	12.1	20.7	-
		5.0	24.1	34.5	13.8	35.4	24.1	20.7	34.5	20.7	34.5	20.7
		8.0	24.1	55.2	20.7	69	24.1	20.7	55.2	20.7	51.7	41.4
10 250	10.750 273.1	3.6	-	17.2	-	20.7	-	13.8	17.2	-	17.2	-
		5.0	-	24.1	-	27.6	-	20.7	24.1	-	24.1	-
		8.0	-	55.2	-	55.2	-	20.7	55.2	-	51.7	-
12 300	12.750 323.9	4.0	-	17.2	-	13.8	-	13.8	17.2	-	17.2	-
		5.0	-	24.1	-	20.7	-	20.7	24.1	-	24.1	-
		8.0	-	55.2	-	55.2	-	20.7	55.2	-	51.7	-
14 350	14.000 355.6	4.0	-	8.6	-	-	-	8.6	-	-	8.6	-
		6.3	-	17.2	-	-	-	17.2	-	-	17.2	-
		8.8	-	20.7	-	-	-	20.7	-	-	20.7	-
16 400	16.000 406.4	4.0	-	6.9	-	-	-	6.9	-	-	6.9	-
		6.3	-	12.1	-	-	-	12.1	-	-	12.1	-
		8.8	-	20.7	-	-	-	20.7	-	-	20.7	-
18 450	18.000 457.2	5.0	-	5.2	-	-	-	5.2	-	-	5.2	-
		6.3	-	6.9	-	-	-	6.9	-	-	6.9	-
		8.8	-	17.2	-	-	-	17.2	-	-	17.2	-
20 500	20.000 508.0	5.0	-	3.4	-	-	-	3.4	-	-	3.4	-
		6.3	-	6.9	-	-	-	6.9	-	-	6.9	-
		8.8	-	17.2	-	-	-	17.2	-	-	17.2	-
24 600	24.000 609.6	5.0	-	1.7	-	-	-	1.7	-	-	1.7	-
		6.3	-	5.2	-	-	-	5.2	-	-	5.2	-
		8.8	-	17.2	-	-	-	17.2	-	-	17.2	-

Maximum line pressure, including surge, to which a joint should be subjected on pipe roll grooved to standard roll grooving specification with coupling properly assembled. For coupling performance on standard wall steel pipe, refer to individual Gruvlok Coupling performance listing.
* Rating based on larger pipe size.

Coupling & Flange Working Pressure Rating on 304 and 316 Stainless Steel Roll Grooved Pipe

The following are pressure ratings for Gruvlok Stainless Steel Piping Systems. The ratings for Schedule 10S pipe are based upon the use of roll-groover roll sets that have been specifically designed for use on Schedule 10 Stainless Steel pipe. Using roll sets that were designed for roll grooving standard wall pipe may significantly reduce the pressure ratings that can be obtained. The Model 1007/3007 roll groovers require the use of the optional Schedule 10 roll set to groove Schedule 5S and 10S. For grooving Schedule 40S on the Model 1007/3007 roll groovers, the standard steel roll grooving set should be used.

Gruvlok Coupling & Flange Working Pressure Ratings (PSI) On 304 And 316 Stainless Steel Roll Grooved Pipe

Nominal Pipe Size	Pipe O.D.	Nominal Wall Thickness	Pipe Sch. Number	Coupling and Flanges														
				Fig. 7000 Light-weight	Fig. 7001 Standard	Fig. 7003 Hingelok®	Fig. 7004 High Pressure	Fig. 7010* Reducing	Fig. 7012 Flange	Fig. 7013 Flange	Fig. 7400 Rigidlite®	Fig. 7401 Rigidlok®	Fig. 7001SS Flexible Coupling	Fig. 7400SS Rigidlite Coupling	Fig. 7401SS Rigid Coupling	Fig. 74 SlideLOK®	Fig. 770 Coupling	Fig. 70 SlideFLEX™
In./DN(mm)	In./mm	Inches	-	PSI														
1 25	1.315 33.4	0.065	5S	400	400	-	-	-	-	-	-	300	-	325	-	-	-	-
		0.109	10S	400	500	-	-	-	-	-	-	300	-	500	-	-	-	-
		0.133	40	500	750	-	-	-	-	-	-	300	-	500	-	-	-	-
1¼ 32	1.660 42.4	0.065	5S	400	400	-	-	-	-	-	-	300	-	325	275	200	-	-
		0.109	10S	500	500	-	-	-	-	-	-	300	-	500	300	300	-	-
		0.140	40	500	750	-	-	-	-	-	-	300	-	750	300	600	-	-
1½ 40	1.900 48.3	0.065	5S	400	400	275	-	-	-	-	-	300	400	325	275	200	-	-
		0.109	10S	500	500	300	-	-	-	-	-	300	500	500	300	300	-	-
		0.145	40	500	750	300	-	-	-	-	-	300	750	750	300	600	-	-
2 50	2.375 60.3	0.065	5S	250	325	250	325	250	250	275	250	325	225	275	200	-	-	-
		0.109	10S	500	500	300	500	500	300	300	300	500	350	300	300	500	500	500
		0.154	40	500	750	300	750	500	300	300	300	750	500	300	600	750	750	750
2½ 65	2.875 73.0	0.083	5S	250	325	250	325	250	250	275	250	325	225	200	200	-	-	-
		0.120	10S	500	500	300	500	500	300	300	300	500	350	300	300	500	500	500
		0.203	40	500	750	300	750	500	300	300	300	750	500	300	600	750	750	750
3 80	3.500 88.9	0.083	5S	250	325	250	325	250	250	275	250	325	225	200	200	-	-	-
		0.120	10S	500	500	300	500	500	300	300	300	500	350	300	300	400	500	500
		0.216	40	500	750	300	750	500	300	300	300	750	500	300	600	500	750	750
4 100	4.500 114.3	0.083	5S	200	250	200	250	200	200	250	200	250	200	200	200	-	-	-
		0.120	10S	300	400	300	400	300	300	300	300	400	300	300	300	350	500	250
		0.237	40	500	750	300	750	500	300	300	300	750	325	300	600	400	750	325
5 125	5.563 141.3	0.109	5S	125	200	125	200	125	125	200	125	200	125	-	200	-	-	-
		0.134	10S	200	300	200	300	200	200	300	200	300	200	-	300	300	-	-
		0.258	40	300	500	300	500	300	300	300	300	500	200	-	600	400	-	-
6 150	6.625 168.3	0.109	5S	75	125	75	125	75	75	125	75	125	125	200	200	-	-	-
		0.134	10S	200	200	200	200	200	200	200	200	200	200	250	300	300	350	200
		0.280	40	300	500	300	500	300	300	300	300	500	200	275	600	400	750	200
8 200	8.625 219.1	0.109	5S	50	75	50	75	50	50	75	50	75	50	75	200	-	-	-
		0.148	10S	150	200	150	200	150	150	200	150	200	150	150	300	300	350	150
		0.322	40	300	400	300	400	300	300	300	300	400	200	275	600	400	650	200
10 250	10.750 273.0	0.134	5S	-	50	-	50	-	50	50	-	50	-	-	N/R	-	-	-
		0.165	10S	-	100	-	100	-	100	100	-	100	-	-	300	-	-	-
		0.365	40	-	400	-	400	-	300	300	-	400	-	-	600	-	-	-
12 300	12.750 323.9	0.156	5S	-	75	-	75	-	50	75	-	75	-	-	N/R	-	-	-
		0.180	10S	-	125	-	125	-	100	125	-	125	-	-	125	-	-	-
		0.375	40	-	400	-	400	-	300	300	-	400	-	-	300	-	-	-

Notes:

- 1) Pressure ratings based on ASTM A312 Type 304 stainless steel pipe or equivalent.
- 2) Failure to use Rollers specifically designed for Stainless Steel Pipe may significantly reduce pressure retention capabilities.
- 3) Pressure ratings on cut grooved pipe meet or exceed the schedule 40 pressure ratings listed above. For information regarding higher ratings contact Anvil.
- 4) *For pressure ratings on Figure 7010 Reducing Couplings use larger pipe size.
- 5) For pressure ratings for the reducing tees, concentric reducers and eccentric reducers, use the rating of the weakest end.
- 6) Pressure ratings on schedule 10 stainless steel pipe may be decreased by not using ASC's 1007/3007 roll groovers with the schedule 10 roller set. Contact ASC for details.

For pressure tests exceeding the published load, please contact an ASC Representative.

Coupling & Flange Working Pressure Rating on Aluminum Pipe

Gruvlok Coupling & Flange Working Pressure Ratings (PSI) On Aluminum Pipe

Nominal Pipe Size	Pipe O.D.	Wall Thickness	Schedule	R/C	Coupling and Flanges						
					Fig. 7401 Rigidlok®	Fig. 7001 Standard	Fig. 7400 Rigidlite®	Fig. 7000 Light Weight	Fig. 7012 Flange	Fig. 74 SlideLOK®	Fig. 70 Slideflex™
In./DN(mm)	In./mm	Inches	-	-	PSI						
1 25	1.315 33.4	0.179	80	C	-	1000	500	500	-	-	-
		0.133	40	R/C	-	800	500	500	-	-	-
		0.109	10	R	-	600	500	500	-	-	-
		0.065	5	R	-	500	500	500	-	-	-
1¼ 32	1.660 42.4	0.191	80	C	-	1000	500	500	-	-	-
		0.140	40	R/C	-	800	500	500	-	-	-
		0.109	10	R	-	600	500	500	-	-	-
		0.065	5	R	-	500	500	500	-	-	-
1½ 40	1.900 48.3	0.200	80	C	750	1000	500	500	-	-	-
		0.145	40	R/C	750	800	500	500	-	-	-
		0.109	10	R	600	600	500	500	-	-	-
		0.065	5	R	500	500	500	500	-	-	-
2 50	2.375 60.3	0.218	80	C	750	1000	500	500	-	-	-
		0.154	40	R/C	750	800	500	500	250	-	-
		0.109	10	R	600	600	500	500	250	600	600
		0.065	5	R	500	500	500	500	150	-	-
2½ 65	2.875 73.0	0.276	80	C	750	1000	500	500	250	-	-
		0.203	40	R/C	750	800	500	500	250	-	-
		0.120	10	R	600	600	500	500	150	-	-
		0.083	5	R	500	500	500	500	250	-	-
3 80	3.500 88.9	0.300	80	C	750	1000	500	500	250	-	-
		0.216	40	R/C	750	800	500	500	150	-	-
		0.120	10	R	500	600	500	500	150	500	600
		0.083	5	R	400	400	500	500	250	-	-
4 100	4.500 114.3	0.337	80	C	750	800	500	500	250	-	-
		0.237	40	R/C	600	600	500	500	150	600	600
		0.121	10	R	350	350	350	350	250	-	-
		0.083	5	R	250	250	250	250	250	-	-
5 125	5.563 141.3	0.375	80	C	750	800	450	450	150	-	-
		0.258	40	R/C	600	600	450	450	150	-	-
		0.134	10	R	350	300	300	300	250	-	-
		0.109	5	R	250	250	250	250	250	-	-
6 150	6.625 168.3	0.432	80	C	600	600	450	450	150	-	-
		0.280	40	R/C	600	600	450	450	250	400	500
		0.134	10	R	200	200	200	200	250	-	-
		0.109	5	R	200	200	200	200	150	-	-
8 200	8.625 219.1	0.500	80	C	400	400	300	300	150	-	-
		0.322	40	R/C	300	300	150	150	250	500	400
		0.148	10	R	-	-	100	100	250	-	-
		0.109	5	R	-	-	100	100	100	-	-
10 250	10.750 273.0	0.594	80	C	300	300	-	-	250	-	-
		0.365	40	R/C	200	200	-	-	250	-	-
12 300	12.750 323.9	0.688	80	C	300	300	-	-	250	-	-
		0.406	40	R/C	200	200	-	-	250	-	-

Notes:
 Field roll grooving is recommended for 6061-T4/6063-T4, 6063 T-5 aluminum pipe. Field cut grooving is recommended for 6061-T6/6063-T6 aluminum pipe. Field roll grooving may result in stress cracking. ASC recommends reviewing roll/cut groove recommendations with the aluminum pipe manufacturer's as mechanical properties may vary from pipe to pipe.

Coupling Working Pressure Rating on CPVC Pipe

Gruvlok Coupling Working Pressure Ratings (PSI) On CPVC Pipe

Nominal Pipe Size	Pipe O.D.	Wall Thickness	Schedule	R (Roll)/C (Cut) Groove	Coupling
					Fig. 7001 Standard
In./DN(mm)	In./mm	Inches	-	-	PSI
2 50	2.375 60.3	0.218	80	C	400
2½ 65	2.875 73.0	0.276	80	C	420
3 80	3.500 88.9	0.300	80	C	370
4 100	4.500 114.3	0.337	80	C	320
6 150	6.625 168.3	0.432	80	C	280
8 200	8.625 219.1	0.500	80	C	250

Temperature Derating Factors on CPVC Pipe

Working Temperature		Pipe De-rating Factor(multiply by pressure rating from chart above)	
°F	°C	Cell Class: CPVC 4120-05	Cell Class: CPVC 4120-06
73-80	23.0-26.7	1.00	1.00
90	32.2	0.91	0.91
100	37.8	0.82	0.83
120	48.9	0.65	0.70
140	60.0	0.50	0.57
160	71.1	0.40	0.44
180	82.2	0.25	0.41

Notes:

1. Cut groove per ASC's CPVC Cut Groove Specification.
2. ASC Recommended Groover: Rex Wheeler 6950 Plastic Cut Groover
3. Pressure ratings based upon Corzan Schedule 80 CPVC Pipe produced to ASTM F441 standards
4. Gruvlok Standard Lubricant is FBC Compatible
5. FBC compliant lubricants are required for use with CPVC Pipe.
6. CPVC pipe manufactured per ASTM F441. Minimum cell class "23447" per ASTM D1784.