

Schedule 40 Fittings & Accessories PVC Clear Sch 40 Pipe & Fittings



PIPE SPECIFICATIONS Standard Length of pipe is 10 Feet. Custom lengths and sizes are available on special order from the pipe manufacturer. All pipe is packed in poly bags and boxed. This material complies with the provisions of Title 21 of the United States FDA Code of Federal Regulations, and is safe for use in food contact applications. Pipe has a UL 94 V-0 rating. Standard threading or grooving of Schedule 40 Clear pipe is not recommended due to insufficient wall thickness. Use specialty clear transition fittings for threaded assemblies or standard PVC transition fittings where applicable.

Part Number	Size	Avg. O.D.	Avg. I.D.	Min. Wall	Max. W.P. psi*	Lbs./Ft.
PL-002	1/4	.540	.354	.088	390	.081
PL-003	3/8	.675	.483	.091	310	.109
PL-005	1/2	.840	.608	.109	300	.161
PL-007	3/4	1.050	.810	.113	240	.214
PL-010	1	1.315	1.033	.133	220	.315
PL-012	1-1/4	1.660	1.364	.140	180	.426
PL-015	1-1/2	1.900	1.592	.145	170	.509
PL-020	2	2.375	2.049	.154	140	.682
PL-025	2-1/2	2.875	2.445	.203	150	1.076
PL-030	3	3.500	3.042	.216	130	1.409
PL-040	4	4.500	3.998	.237	110	2.006
PL-060	6	6.625	6.031	.280	90	3.535
PL-080	8	8.625	7.943	.322	80	5.305

* For water at 73.4°F with solvent welded joints.

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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PVC Clear Schedule 40 Pipe 10' Lengths, Price Per Foot



List Price Per Foot

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
PL-002	1/4	190	0	038	1.02
PL-003	3/8	100	0	038	1.38
PL-005	1/2	90	0	038	2.06
PL-007	3/4	100	0	038	2.77
PL-010	1	90	0	038	4.09
PL-012	1-1/4	30	0	038	5.55
PL-015	1-1/2	50	0	038	6.64
PL-020	2	10	0	038	8.95
PL-025	2-1/2	10	0	038	14.14
PL-030	3	10	0	038	18.46
PL-040	4	10	0	038	27.80
PL-060	6	10	0	038	50.82
PL-080	8	10	0	038	76.21
PL-100	10	10	0	038	122.68
PL-120	12	10	0	038	162.05

Tee Soc



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
401-002L	1/4	25	150	039	11.29
401-003L	3/8	50	200	039	7.27
401-005L	1/2	50	300	039	8.52
401-007L	3/4	50	0	039	9.71
401-010L	1	50	0	039	18.17
401-012L	1-1/4	25	0	039	28.56
401-015L	1-1/2	25	0	039	34.63
401-020L	2	10	0	039	50.33
401-025L	2-1/2	10	0	039	165.89
401-030L	3	10	0	039	217.58
401-040L	4	6	0	039	393.88
401-060L	6	4	0	039	709.01
401-080L	8	2	0	039	1276.20

90° Ell Soc



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
406-002L	1/4	25	150	039	9.19
406-003L	3/8	50	300	039	9.19
406-005L	1/2	50	200	039	6.94
406-007L	3/4	50	300	039	7.59
406-010L	1	50	0	039	13.78
406-012L	1-1/4	25	0	039	24.26
406-015L	1-1/2	25	0	039	25.77
406-020L	2	25	0	039	40.84
406-025L	2-1/2	10	0	039	123.92

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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90° Ell (continued) Soc

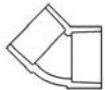
Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
406-030L	3	10	0	039	148.26
406-040L	4	8	0	039	265.47
406-060L	6	5	0	039	477.86
406-080L	8	2	0	039	860.15

90° Street Ell Spig x Soc



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
409-005L	1/2	50	400	039	6.94
409-007L	3/4	50	0	039	7.59
409-010L	1	50	0	039	13.78
409-012L	1-1/4	25	0	039	24.26
409-015L	1-1/2	25	0	039	25.77
409-020L	2	10	0	039	40.84
409-025L	2-1/2	10	0	039	123.92

45° Ell Soc



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
417-002L	1/4	25	150	039	14.75
417-003L	3/8	25	150	039	14.75
417-005L	1/2	50	400	039	11.20
417-007L	3/4	50	300	039	17.29
417-010L	1	50	0	039	20.77
417-012L	1-1/4	25	0	039	29.37
417-015L	1-1/2	25	0	039	36.63
417-020L	2	10	0	039	47.75
417-025L	2-1/2	10	0	039	124.09
417-030L	3	10	0	039	192.64
417-040L	4	5	0	039	346.01
417-060L	6	8	0	039	622.81
417-080L	8	3	0	039	1121.06

45° Street Ell Spig x Soc



Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
427-005L	1/2	50	400	039	11.20
427-007L	3/4	50	0	039	17.29
427-010L	1	50	0	039	20.77
427-012L	1-1/4	25	0	039	29.37
427-015L	1-1/2	25	0	039	36.63
427-020L	2	25	0	039	47.75
427-025L	2-1/2	10	0	039	124.09
427-030L	3	10	0	039	192.64
427-040L	4	5	0	039	346.01



Schedule 40 Fittings & Accessories PVC Clear Sch 40 Pipe & Fittings

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Coupling Soc



429-002L	1/4	25	150	039	6.17
429-003L	3/8	50	300	039	6.17
429-005L	1/2	50	300	039	4.59
429-007L	3/4	50	200	039	6.18
429-010L	1	50	0	039	10.74
429-012L	1-1/4	25	150	039	14.62
429-015L	1-1/2	25	0	039	15.74
429-020L	2	10	60	039	24.53
429-025L	2-1/2	10	0	039	53.75
429-030L	3	10	0	039	84.33
429-040L	4	6	0	039	121.74
429-060L	6	5	0	039	219.15
429-080L	8	6	0	039	394.44

Female Adapter Soc x SR Fipt



435-002SRL	1/4	25	450	039	12.95
435-003SRL	3/8	25	300	039	12.95
435-005SRL	1/2	25	300	039	7.67
435-007SRL	3/4	25	300	039	9.60
435-010SRL	1	25	200	039	11.09
435-012SRL	1-1/4	10	80	039	17.04
435-015SRL	1-1/2	10	80	039	19.99
435-020SRL	2	10	0	039	26.92
435-025SRL	2-1/2	5	0	039	55.95
435-030SRL	3	10	0	039	91.33
435-040SRL	4	6	0	039	151.06

Male Adapter Mipt x Soc



436-003L	3/8	50	300	039	8.28
436-005L	1/2	50	300	039	6.18
436-007L	3/4	50	400	039	6.94
436-010L	1	50	300	039	12.18
436-012L	1-1/4	25	0	039	14.71
436-015L	1-1/2	25	0	039	19.97
436-020L	2	25	0	039	26.04
436-025L	2-1/2	10	0	039	77.24
436-030L	3	10	0	039	112.84
436-040L	4	5	0	039	143.91

Reducer Bushing Spig x Soc



437-101L	3/4X1/2	50	300	039	7.14
437-131L	1X3/4	50	200	039	13.13
437-168L	1-1/4X1	25	150	039	17.29
437-211L	1-1/2X1	25	100	039	18.26
437-212L	1-1/2X1-1/4	25	100	039	18.26
437-251L	2X1-1/2	10	80	039	30.24
437-292L	2-1/2X2	10	40	039	48.64
437-338L	3X2	10	0	039	72.17
437-339L	3X2-1/2	10	0	039	72.17
437-422L	4X3	6	0	039	161.25
437-532L	6X4	5	0	039	324.51
437-585L	8X6	4	0	039	522.47

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Cap Soc



447-002L	1/4	25	150	039	8.28
447-003L	3/8	50	300	039	8.28
447-005L	1/2	50	300	039	6.18
447-007L	3/4	50	300	039	7.14
447-010L	1	50	200	039	11.31
447-012L	1-1/4	25	100	039	15.74
447-015L	1-1/2	25	0	039	17.29
447-020L	2	10	80	039	20.84
447-025L	2-1/2	10	0	039	66.68
447-030L	3	10	0	039	65.65
447-040L	4	6	0	039	149.31
447-060L	6	4	0	039	268.76
447-080L	8	3	0	039	483.75

Wyes & Reducing Wyes Soc



1/2" - 2" - 235 psi Maximum Internal Pressure Rating @ 73°F (23°C)
2-1/2" - 6" - 150 psi Maximum Internal Pressure Rating @ 73°F (23°C)

475-015L	1-1/2	20	0	039	45.67
475-020L	2	10	0	039	67.23
475-030L	3	4	0	039	280.03
475-040L	4	4	0	039	509.85
475-060L	6	3	0	039	871.62
475-532L	6X4	5	0	039	871.62

**Schedule 40 Fittings & Accessories
Clear Ultra Violet Resistant (UVR) PVC Pipe**



Designed to Promote Algae Growth in Bioreactor, Biofuel, Bioremediation, Research and Aquaculture Applications

Spears® Clear UV Resistant (UVR) PVC piping is suitable for use where exposure to sunlight is desired. The modified clear PVC material allows light in but blocks the harmful wavelengths that damage the plastic pipe. This specialty pipe can be joined with Spears® PVC Clear solvent cements and primers using standard solvent cement welding practices.

Produced in both Thin Walled UVR pipe down to 0.135" and Schedule 40 UVR pipe to allow rapid growth of algae and provide pressure ratings needed for circulation. Use Spears® PVC Clear Solvent Cements and Primers for joining.

UV Resistant Clear Pipe Dimensions & Pressure Ratings

Thin Walled UVR Pipe

Pipe Size	O.D.	Average I.D.	Min. Wall	Nominal Wt./Ft.	Max. W.P. PSI*
2"	2.375	2.173	0.091	0.456	80
3"	3.500	3.210	0.135	0.966	80
4"	4.500	4.134	0.172	1.569	80
6"	6.625	6.251	0.172	2.391	70
8"	8.625	8.251	0.172	3.134	53
10"	10.750	10.376	0.172	3.923	43
12"	12.750	12.376	0.172	4.666	36

Schedule 40 UVR Pipe

Pipe Size	O.D.	Average I.D.	Min. Wall	Nominal Wt./Ft.	Max. W.P. PSI*
1/2"	0.840	0.602	0.109	0.170	300
3/4"	1.050	0.804	0.113	0.226	240
1"	1.315	1.029	0.133	0.333	220
1-1/4"	1.660	1.360	0.140	0.450	180
1-1/2"	1.900	1.590	0.145	0.537	170
2"	2.375	2.047	0.154	0.720	140
2-1/2"	2.875	2.445	0.203	1.136	150
3"	3.500	3.042	0.216	1.488	130
3-1/2"	4.000	3.521	0.226	1.789	120
4"	4.500	3.998	0.237	2.118	110
6"	6.625	6.031	0.280	3.733	90

De-rating Factors @ Elevated Temperature

Operating Temp °F	De-rating Factor
73	1.00
80	0.88
90	0.75
100	0.62
110	0.51
120	0.40
130	0.31
140	0.22

Maximum Service Temperature = 140 °F

The temperature de-rating factors shown in table at left can be multiplied by the pressure ratings listed for each pipe size to determine the maximum pressure rating of the pipe at the specified elevated Operating temperatures.

* Pressure Rating @ 73 °F

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Thin Walled Clear UVR PVC Pipe

10' Lengths, Price Per Foot



List Price Per Foot

PL091-020UVR-10	2	10	0	038	4.75
PL135-030UVR-10	3	10	0	038	10.06
PL172-040UVR-10	4	20	0	038	17.38
PL172-060UVR-10	6	10	0	038	27.45
PL172-080UVR-10	8	10	0	038	35.96
PL172-100UVR-10	10	10	0	038	51.04
PL172-120UVR-10	12	10	0	038	60.71

See application information above
Custom lengths available, contact Spears®

Schedule 40 Clear UVR PVC Pipe

10' Lengths, Price Per Foot



List Price Per Foot

PL400-005UVR-10	1/2	90	0	038	1.73
PL400-007UVR-10	3/4	100	0	038	2.32
PL400-010UVR-10	1	90	0	038	2.44
PL400-012UVR-10	1-1/4	30	0	038	4.66
PL400-015UVR-10	1-1/2	50	0	038	5.58
PL400-020UVR-10	2	10	0	038	7.51
PL400-025UVR-10	2-1/2	80	0	038	11.86
PL400-030UVR-10	3	10	0	038	15.50
PL400-035UVR-10	3-1/2	10	0	038	19.69

Part Number	Size	Std Pk	Mstr Ctn	Disc Code	Price Each
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Schedule 40 Clear UVR PVC Pipe (continued)

10' Lengths, Price Per Foot

PL400-040UVR-10	4	50	0	038	23.33
PL400-060UVR-10	6	10	0	038	42.66

See application information above
Custom lengths available, contact Spears®