

**Outside Diameters and Wall Thicknesses For CPVC 4120, SDR 11 Plastic Pipe As Per ASTM D-2846**

Nominal Size		Outside Diameter, in. (mm)		Wall Thickness, in. (mm)		Pressure Rating, PSI (Kg/Cm <sup>2</sup> )			
(in.)	(mm)	Average	Tolerance	Minimum	Tolerance	73.4°F (23°C)	180°F (82°C)	180°F (82°C)	180°F (82°C)
½*	(15)	0.625 (15.9)	±0.003 (0.08)	0.068 (1.73)	+0.020 (0.51)	400	100	100	(7.0)
¾	(20)	0.875 (22.2)	±0.003 (0.08)	0.080 (2.03)	+0.020 (0.51)	400	(28.1)	100	(7.0)
1	(25)	1.125 (28.6)	±0.003 (0.08)	0.102 (2.59)	+0.020 (0.51)	400	(28.1)	100	(7.0)
1¼	(32)	1.375 (34.9)	±0.003 (0.08)	0.125 (3.18)	+0.020 (0.51)	400	(28.1)	100	(7.0)
1½	(40)	1.625 (41.3)	±0.004 (0.10)	0.148 (3.76)	+0.020 (0.51)	400	(28.1)	100	(7.0)
2	(50)	2.125 (54.0)	±0.004 (0.10)	0.193 (4.90)	+0.023 (0.58)	400	(28.1)	100	(7.0)

\* For ½" wall thickness minimum is not a function of SDR.

**Outside Diameters and Wall Thicknesses For CPVC 4120, SDR 13.5 Plastic Pipe**

Nominal Size		Outside Diameter, in.(mm)		Wall Thickness, in. (mm)		Pressure Rating, PSI (Kg/Cm <sup>2</sup> )			
(in.)	(mm)	Average	Tolerance	Minimum	Tolerance	73.4°F (23°C)	180°F (82°C)	180°F (82°C)	180°F (82°C)
½*	(15)	0.625 (15.9)	±0.003 (0.08)	0.055 (1.40)	+0.020 (0.51)	320	(22.5)	80	(5.6)
¾	(20)	0.875 (22.2)	±0.003 (0.08)	0.065 (1.65)	+0.020 (0.51)	320	(22.5)	80	(5.6)
1	(25)	1.125 (28.6)	±0.003 (0.08)	0.083 (2.12)	+0.020 (0.51)	320	(22.5)	80	(5.6)
1¼	(32)	1.375 (34.9)	±0.003 (0.08)	0.102 (2.59)	+0.020 (0.51)	320	(22.5)	80	(5.6)
1½	(40)	1.625 (41.3)	±0.004 (0.10)	0.120 (3.06)	+0.020 (0.51)	320	(22.5)	80	(5.6)
2	(50)	2.125 (54.0)	±0.004 (0.10)	0.157 (4.00)	+0.023 (0.58)	320	(22.5)	80	(5.6)

\* For ½" wall thickness minimum is not a function of SDR.

**Outside Diameters, Wall Thickness & Pressure Rating For CPVC 4120, Schedule 40 Piping System As per ASTM F 441**

Nominal Size		Outside Diameter, in. (mm)		I.D.	Wall Thickness, in. (mm)		Pipe - Pr. R. PSI (Kg/Cm <sup>2</sup> )	
(in.)	(mm)	Average	Tolerance	Average	Minimum	Tolerance	73.4°F (23°C)	73.4°F (23°C)
2½	(65)	2.875 (73.0)	±0.007 (0.18)	2.444 (62.07)	0.203 (5.16)	+0.024 (0.61)	300	(21.10)
3	(80)	3.500 (88.9)	±0.008 (0.20)	3.041 (77.26)	0.216 (5.49)	+0.026 (0.66)	280	(18.28)
4	(100)	4.500 (114.3)	±0.009 (0.23)	3.998 (101.55)	0.237 (6.02)	+0.028 (0.71)	220	(15.47)

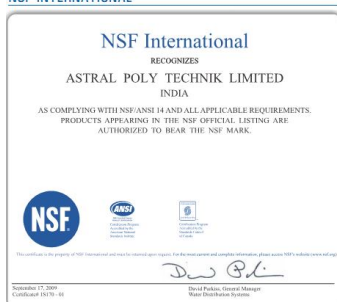
Pr. R. = Pressure Rating

**Outside Diameters, Wall Thickness & Pressure Rating For CPVC 4120, Schedule 80 Piping System As per ASTM F 441**

Nominal Size		Outside Diameter, in. (mm)		I.D.	Wall Thickness, in. (mm)		Pipe-Pr. R. PSI (Kg/Cm <sup>2</sup> )	
(in.)	(mm)	Average	Tolerance	Average	Minimum	Tolerance	73.4°F (23°C)	73.4°F (23°C)
2½	(65)	2.875 (73.0)	±0.007 (0.18)	2.288 (58.14)	0.276 (7.01)	+0.033 (0.84)	420	(29.53)
3	(80)	3.500 (88.9)	±0.008 (0.20)	2.864 (72.75)	0.300 (7.62)	+0.036 (0.91)	370	(26.01)
4	(100)	4.500 (114.3)	±0.009 (0.23)	3.778 (95.97)	0.337 (8.56)	+0.040 (1.02)	320	(22.50)
6	(150)	6.625 (168.3)	±0.011 (0.28)	5.710 (145.04)	0.432 (10.97)	+0.052 (1.32)	280	(19.69)
8	(200)	8.625 (219.1)	±0.015 (0.38)	7.565 (192.15)	0.500 (12.70)	+0.060 (1.52)	250	(17.57)
10	(250)	10.750 (273.1)	±0.015 (0.38)	9.493 (241.12)	0.593 (15.06)	+0.071 (1.80)	230	(16.17)
12	(300)	12.750 (323.90)	±0.015 (0.38)	11.294 (286.87)	0.687 (17.45)	+0.082 (2.08)	230	(16.17)

Pr. R. = Pressure Rating

NSF INTERNATIONAL



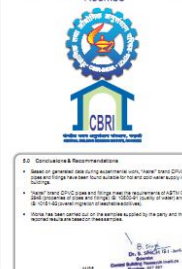
CBRI-RORKEE

Report No: 01CJ3045

Table 9: Quality of water flowing through CPVC pipes evaluated as per IS: 10500 - 31 (Indian Standard Specification for Drinking Water)

Property	IS: 10500 - 31 (Required Value)	CPVC Pipe (Observed Value)
Colour	Coloured	Colourless
Taste	Undesirable	Colourless
Odour	Unpleasant	Odourless
Hardness (mg/l)	10	0.7
Chloride (mg/l)	250	200
pH	6.5 - 8.5	7.33 - 7.43
Microbiological test (cfu/ml)	10	0
Residual Chlorine (mg/l)	0.2	0.2
Calcium (mg/l)	0.01	0.00001
Iron (mg/l)	0.05	0.00001
Zinc (mg/l)	0.05	0.00001
Manganese (mg/l)	0.01	0.00001

Test report from Central Building Research Institute, Roorkee





## MÀXIMA PRESSIÓ DE TREBALL SEGONS TEMPERATURA

Codi 00/45



Temp °C	Factor de Correcció	Pressió (bars) SDR 11	Pressió bars SCH 80	Pressió (bars) SDR 13.5	Pressió bars SCH 40
°C		1/2" a 2"	2 1/2" - 3" - 4"	1/2" a 2"	2 1/2" - 3" - 4"
23	1.00	28.1	29.5- 26.0- 22.5	22.5	21.1-18.3-15.5
32	0.91	25.6	26.9- 23.7 -20.5	20.5	19.2-16.7-14.1
38	0.82	23.0	24.2- 21.3- 18.5	18.5	17.3-15.0-12.7
49	0.65	18.3	19.2- 16.9- 11.3	14.6	13.7-12.0-10.1
60	0.50	14.0	14.8- 13.0- 11.3	11.3	10.6- 9.2- 7.8
71	0.40	11.2	11.8- 10.4- 9.0	9.0	8.4- 7.3- 6.2
82	0.25	7.0	7.4- 6.5- 5.6	5.6	5.3- 4.6- 3.9
93	0.20	5.6	5.9- 5.2 -4.5	4.5	4.2- 3.7- 3.1



IS-15778

### SDR 11

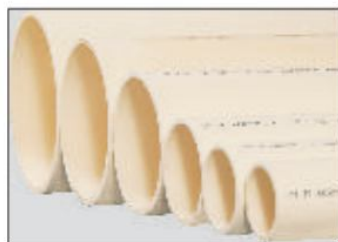
FP11-12	15,9	12,44	15	2,00 €
FP11-34	22,2	18,14	20	2,95 €
FP11-1	28,6	23,42	25	4,40 €
FP11-114	34,9	28,54	32	7,50 €
FP11-112	41,3	33,78	40	10,80 €
FP11-2	54,0	44,20	50	17,00 €

### SDR 13,5

FP135-12	15,9	13,10	15	1,95 €
FP135-34	22,2	18,90	20	2,80 €
FP135-1	28,6	24,36	25	3,35 €
FP135-114	34,9	29,72	30	5,30 €
FP135-112	41,3	35,18	40	8,20 €
FP135-2	54,0	46,00	50	13,10 €

\*TUBERIAS 3 METROS\*

TUBERIA	CÓDIGO	D-EXT Ø	D-INT Ø	DN	PVP M/L
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ASTM F-441

\*Consultar para diámetros hasta DN 300 \*

### SCH 80

FP80-212	73,0	58,98	65	27,20 €
FP80-3	88,9	73,66	80	37,00 €
FP80-4	114,3	97,18	100	55,00 €
FP80-6	168,3	146,36	150	135,00 €

### SCH40

FP40-212	73,0	62,68	65	21,90 €
FP40-3	88,9	77,92	80	28,60 €
FP40-4	114,3	102,26	100	40,80 €
FP40-6	168,3	154,08	150	98,00 €

\*TUBERIAS 5 METROS\*

Codi 00/45

MANGUITO	CÓDIGO	Ø	PVP unitario
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### ASTM D-2846

M4120	1/2	0,43 €
M4340	3/4	0,52 €
M4100	1"	0,80 €
M4105	1"1/4	1,50 €
M4106	1"1/2	2,57 €
M4200	2"	4,00 €

### ASTM F-438

M429-025C	2"1/2	10,80 €
M429-030C	3"	15,10 €
M429-040C	4"	23,40 €
M429-060	6"	55,00 €

Diservic S.L. Tel 93 889 52 02 - Fax 93 889 37 95 A/e diservic@diservic.com

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Cod 45

CASQUILLO REDUCIDO	CÓDIGO	Ø	PVP unitario
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### ASTM D-2846

M2032	3/4x 1/2	0,50 €
M2102	1x1/2	0,63 €
M2103	1x3/4	0,63 €
M2112	1"1/4x 1/2	2,00 €
M2113	1"1/4x3/4	1,23 €
M2114	1"1/4x1	1,23 €
M2122	1"1/2 x 1/2	2,20 €
M2123	1"1/2 x3/4	2,20 €
M2124	1"1/2 x1	2,20 €
M2125	1"1/2x1"1/4	2,20 €
M2202	2x 1/2	8,00 €
M2203	2x3/4	3,60 €
M2204	2x1	3,60 €
M2205	2x1"1/4	3,60 €
M2206	2x1"1/2	3,60 €

### ASTM F-438

M437-290C	2"1/2 x1"1/4	15,00 €
M437-291C	2"1/2 x1"1/2	7,00 €
M437-292C	2"1/2 x2	7,00 €
M437-337C	3x1"1/2	15,00 €
M437-338C	3x2	12,40 €
M437-339C	3x2"1/2	14,00 €
M437-420C	4x2	31,00 €
M437-421C	4x2"1/2	28,00 €
M437-422C	4x3	21,40 €
837-532C	6x4	94,40 €



## Codi 00/45

CODO 90°	CÓDIGO	Ø	PVP unitario
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### ASTM D-2846

M5120N	1/2	0,52 €
M5340N	3/4	0,64 €
M5100N	1"	1,07 €
M5105N	1"1/4	2,10 €
M5106N	1"1/2	4,00 €
M5200N	2"	6,54 €

### ASTM F-438

M406-025C	2"1/2	17,00 €
M406-030C	3"	27,00 €
M406-040C	4"	39,40 €
M406-060C	6"	123,00 €

CODO 90° ROSCA LATON	CÓDIGO	Ø	PVP unitario
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### ASTM D-2846

M5702N	1/2 x 1/2	2,90 €
M5730N	3/4 x 1/2	3,50 €
M5703N	3/4 x 3/4	4,10 €
M5740N	1 x 1/2	6,00 €
M5704N	1 x 1	14,20 €
M5705N	1"1/4x1"1/4	18,90 €

CODO 45°	CÓDIGO	Ø	PVP unitario
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### ASTM D-2846


M5123N	1/2	0,58 €
M5343N	3/4	0,76 €
M5103N	1"	1,15 €
M5153N	1"1/4	2,54 €
M5163N	1"1/2	4,80 €
M5203N	2"	6,48 €


### ASTM F-438


817-025C	2"1/2	27,00 €
817-030C	3"	34,50 €
817-040C	4"	47,40 €
817-060C	6"	168,00 €

Codi 00/45

BRIDA PLANA PP-REFORZADA	CÓDIGO	Ø	DN	PVP unitario
	B0803225	32	25	23,66€
	B0804032	40	32	27,57€
	B0805040	50	40	32,22€
	B0806350	63	50	39,99€
	B0807565	75	65	44,34€
	B0809080	90	80	52,78€
	B080110100	110	100	63,71€
	B080140125	5"	125	76,00€
	B080160150	6"	150	82,50€

PORTABRIDAS	CÓDIGO	DN	Ø	PVP unitario
	<b>ASTM F-439</b>			
	M854-012-2C	32	1"1/4	8,00 €
	M854-015-2C	40	1"1/2	11,00 €
	M854-020-2C	50	2"	12,00 €
	M854-025-2C	65	2"1/2	18,00 €
	M854-030-2C	80	3"	24,00 €
	M854-040-2C	100	4"	38,00 €
	M854-060-2C	150	6"	50,00 €

RACOR 3P SOLDAR	CÓDIGO	Ø	PVP unitario
	<b>ASTM D-2846</b>		
	M2502	1/2	4,80 €
	M2503	3/4	8,00 €
	M2504	1"	9,60 €
	M2505	1"1/4	12,00 €
	M2506	1"1/2	18,00 €
	M2508	2"	34,00 €

RACOR 3-P MIXTO M CPVC-LATÓN	CÓDIGO	Ø	PVP unitario
	<b>ASTM D-2846</b>		
	M6302M	1/2	12,30 €
	M6303M	3/4	19,00 €
	M6304M	1"	33,00 €
	M6305M	1"1/4	35,80 €
	M6306M	1"1/2	51,00 €
	M6308M	2"	73,40 €

Codi 00/45

VALVULA BOLA	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M1922-005	1/2	12,90 €
M1922-007	3/4	15,70 €
M1922-010	1"	19,40 €
M1922-012	1"1/4	30,50 €
M1922-015	1"1/2	44,21 €
M1922-020	2"	61,40 €

TE 90° CPVC/LATON	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M7722	1/2 x 1/2 x 1/2	4,30 €
M7732	3/4 x 3/4 x 1/2	5,10 €
M7733	3/4 x 3/4 x 3/4	6,80 €
M7742	1" x 1" x 1/2	7,40 €
M7755	1"1/4 x 1"1/4 x 1"1/4	14,80 €
M7752	1"1/4 x 1"1/4	14,80 €

TERMINAL MIXTO CPVC/LATON RM	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M6023	1/2	6,37 €
M6033	3/4	7,56 €
M6043	1"	14,62 €
M6053	1"1/4	26,63 €
M6063	1"1/2	33,50 €
M6083	2"	47,50 €

Codi 00/45

TERMINAL MIXTO CPVC/LATON RH	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M6123	1/2	5,60 €
M6343	3/4	6,55 €
M6103	1"	12,55 €
M6113	1"1/4	21,95 €
M6153	1"1/2	29,50 €
M6203	2"	44,75 €

TERMINAL MIXTO REDUCIDO RH	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M4732	3/4 x 1/2	4,00 €
M4742	1" x 1/2	6,00 €

TERMINAL S CPVC RM	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M6120	1/2	2,20 €
M6340	3/4	3,00 €
M6100	1"	3,80 €
M6105B	1"1/4	6,20 €
M6106B	1"1/2	8,50 €
M6200B	2"	14,50 €

Codi 00/45

TERMINAL S CPVC RH	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M6122	1/2"	2,20 €
M6342	3/4"	3,00 €
M6101	1"	3,80 €
M6205	1"1/4"	6,20 €
M6206	1"1/2"	8,50 €
M6201	2"	14,50 €

TAPA	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M3120	1/2"	0,64 €
M3340	3/4"	1,00 €
M3100	1"	1,90 €
M3105	1"1/4"	2,60 €
M3106	1"1/2"	4,00 €
M3200	2"	7,00 €
M447-025C	2"1/2"	14,00 €
M447-030C	3"	22,00 €
M447-040C	4"	31,00 €
847-060C	6"	188,00 €

TRANSICION-FLOWGUARD-CORZAN	CÓDIGO	Ø	PVP unitario
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**ASTM D-2846**

M2902	DN15-20mm	3,00 €
M2903	DN20-25mm	3,80 €
M2904	DN25-32mm	7,90 €
M2905	DN32-40mm	8,40 €
M2906	DN40-50mm	12,90 €
M2908	DN50-63mm	16,50 €
M2910	DN65-75mm	23,57 €
M2912	DN80-90mm	33,70 €
M2914	DN100-110mm	48,14 €