



CENTURY ESLON

PIPES

Pipes

Century Eslon offers the following range of pipe for water distribution:



UPVC (Unplasticized Polyvinyl Chloride) manufactured for these applications:

- Pressure
- DWV (Drain, Waste & Vent)
- Ducting
- Sewer

Pipes are available with either:

- (a) One end with spigot and the other with socket for solvent welding.
- (b) One end with spigot and the other gasket-belled for push fit joining. Gasket pipes are available in sizes 2" diameter and larger.



DWV (Drain, Waste & Vent) pipes are used only in non-pressure drain, waste and vent applications (building construction plumbing).



Sewer pipes are made to BS 4660 / BS EN 1401 - 1:1998 and are intended for underground sanitary and storm sewers. These pipes are also used for Perforated Field Drain applications and are available on order.



CPVC (Chlorinated Polyvinyl Chloride)

This pipe is used for hot water applications, and is made to withstand 7 bar (100 psi) at 82 degrees centigrade. Conforms with ASTM D 2846 copper tube size (CTS).



High Density Polyethylene Pipe - POLYBLUE®

This is used as a service connection for potable water from PVC water main to a building. It is available in metric and imperial sizes. The metric sizes relate to the nominal sizes and to the external diameters for polyethylene service pipes according to BS 6572, WRC specification 4-32-02 and relevant DIN and ISO standards. The imperial fittings relate to the nominal sizes only for polyethylene pipe according to BS 6572:1998 & BS 6730:1998.

Ducting pipe is made to BS 3506 Class O, and is intended for encased burial telephone ducting / low voltage applications.

Black Irrigation Tubing is used for crop irrigation in the agricultural sector and follows EN 12201-1. It is manufactured in sizes: 32mm, 50mm and 63mm.

CPVC Pipes

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length	Pressure Rating (psi)
ASTM D 2846 CPVC 41 SDR 11 (Copper Tube Size - CTS)	100106	1/2"	1000	25	10 FT	100
	100107	3/4"	1000	25	10 FT	100
	100206	1/2"	1000	25	2.9M	100
	100207	3/4"	1000	25	2.9M	100

UPVC Pipes

Pressure

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length	Pressure Rating (psi)
ASTM D2241 - SOLVENT JOINT SDR 32.5	101809	1 1/4"	200	5	5.8m	125
	101810	1 1/2"	200	5	5.8m	125
	101811	2"	210	5	5.8m	125
	101813	3"	84	-	5.8m	125
	101814	4"	53	-	5.8m	125
	101816	6"	22	-	5.8m	125
SDR 32.5 Red	101914	4"	53	-	5.8m	125
SDR 32.5	102010	1 1/2"	200	5	2.9m	125
	102011	2"	210	5	2.9m	125
	102013	3"	84	-	2.9m	125
	102014	4"	53	-	2.9m	125
	102016	6"	22	-	2.9m	125
SDR 41	102211	2"	102	-	5.8m	100
	102213	3"	84	-	5.8m	100
	102214	4"	53	-	5.8m	100
	102216	6"	22	-	5.8m	100
	102218	8"	11	-	5.8m	100

UPVC Pipes

Pressure

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length	Pressure Rating (psi)
ASTM D1785 - SCH 40 SOLVENT JOINT	100406	1/2"	500	10	5.8m	600
	100407	3/4"	400	10	5.8m	480
	100408	1"	200	-	5.8m	450
	100409	1 1/4"	200	-	5.8m	370
	100410	1 1/2"	200	-	5.8m	330
	100411	2"	165	-	5.8m	280
	100413	3"	84	-	5.8m	260
	100414	4"	53	-	5.8m	220
	100416	6"	22	-	5.8m	180
	100606	1/2"	500	10	2.9m	600
	100607	3/4"	400	10	2.9m	480
	100608	1"	200	-	2.9m	450
	100610	1 1/2"	200	-	2.9m	330
100611	2"	165	-	2.9m	280	
ASTM D1785 - SCH 40 RIEBER GASKET	304016	6"	22	-	5.8m	180
	304022	12"	6	-	5.8m	130



Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length	Pressure Rating (psi)	
ASTM D2241 - RIEBER GASKET SDR 41	301614	4"	53	-	5.8m	100	
	SDR 26	302214	4"	53	-	5.8m	160
		302216	6"	22	-	5.8m	160
		302218	8"	11	-	5.8m	160
	SDR 21	303011	2"	102	-	5.8m	200
303013		3"	84	-	5.8m	200	
303014		4"	53	-	5.8m	200	
303016		6"	22	-	5.8m	200	
303018		8"	11	-	5.8m	200	
303022		12"	6	-	5.8m	200	
SDR 17		303411	2"	102	-	5.8m	250
	303413	3"	84	-	5.8m	250	
	303414	4"	53	-	5.8m	250	
	303416	6"	22	-	5.8m	250	
	303418	8"	11	-	5.8m	250	

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length	Pressure Rating (psi)
ASTM D2241 - SOLVENT JOINT SDR 13.5	101006	1/2"	500	10	5.8m	315
SDR 17	101206	1/2"	500	10	5.8m	250
SDR 21	101406	1/2"	500	10	5.8m	200
	101407	3/4"	400	10	5.8m	200
	101408	1"	280	10	5.8m	200
	303211	2"	165	-	5.8m	200
	303213	3"	84	-	5.8m	200
	303214	4"	53	-	5.8m	200
	303216	6"	22	-	5.8m	200
SDR 26	101606	1/2"	500	10	5.8m	160
	101607	3/4"	400	10	5.8m	160
	101608	1"	280	10	5.8m	160
	101611	2"	165	-	5.8m	160
	101613	3"	84	-	5.8m	160
	101614	4"	53	-	5.8m	160
	101616	6"	22	-	5.8m	160

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length	Pressure Rating (psi)
BS EN 1452 : 1-5:1996 RIEBER GASKET CLASS D	300414	4"	53	-	5.8m	173
	300416	6"	22	-	5.8m	173
	300418	8"	11	-	5.8m	173
	300422	12"	6	-	5.8m	173
CLASS E	301011	2"	102	-	5.8m	217
	301013	3"	84	-	5.8m	217
	300614	4"	53	-	5.8m	217
	300616	6"	22	-	5.8m	217
	300618	8"	11	-	5.8m	217
	301022	12"	6	-	5.8m	217

UPVC Pipes

DWV

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length
DWV - 4" DR 57 - 6" DR 50 	102414	4"	53	-	5.8m
	102416	6"	22	-	5.8m
	102614	4"	53	-	2.9m
DWV - DR 45 	102810	1 1/2"	200	5	5.8m
	102811	2"	210	5	5.8m

UPVC Pipes

Sewer - Solvent Joint

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length
GREY SANITARY PIPE - DWV EN-1401-1 	103075	32mm	200	-	3.9m
	103078	40mm	200	-	3.9m
	103079	50mm	200	-	3.9m
	103082	75mm	84	-	3.9m
	103090	110mm	53	-	3.9m
	103092	160mm	22	-	3.9m
	103094	200mm	18	-	3.9m
	103275	32mm	200	-	5.8m
	103278	40mm	200	-	5.8m
	103279	50mm	200	-	5.8m
SEWER PIPE - BS 4660	103282	75mm	84	-	5.8m
	103290	110mm	53	-	5.8m
	103292	160mm	22	-	5.8m
	103294	200mm	18	-	5.8m
	304890	110mm	53	-	5.8m

Pipes


HDPE POLYBLUE®

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length
POLYBLUE, CLASS C - 9 Bar BS 6572:1998 & BS 6730:1998 	310206	1/2 "			150m
	310207	3/4"			150m
	310208	1"			100m
POLYBLUE, CLASS D - 12 Bar BS 6572 & BS 6730 - Imperial Sizes BS 6572 - Metric Sizes	310406	1/2 "			150m
	310407	3/4"			150m
	310408	1"			100m
	310072	20mm			150m
	310073	25mm			150m
	310075	32mm			100m
	310479	50mm			50m
	310480	63mm			50m

HDPE Polyblue is sold in rolls

UPVC Pipes

Sewer - Gasket

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length
BS 4660 BS 4660 BS EN 1401 - 1:1998 BS EN 1401 - 1:1998 BS EN 1401 - 1:1998 BS EN 1401 - 1:1998 	304690	110mm	53	-	5.8m
	304892	160mm	22	-	5.8m
	304894	200mm	18	-	5.8m
	304896	315mm	6	-	5.8m
	304898	400mm	1	-	5.8m
	304899	450mm	1	-	5.8m

Please note that only 200mm is sold with Rieber Gasket already installed. For other sizes, gasket is sold separately.

UPVC Pipes

Black Duct

Description	Part No	Nominal Size	Macro Bundle	Micro Bundle	Length
BS 3506 - Class O	103411	2"	-	-	5.8m
	103414	4"	53	-	5.8m
	103485	96mm	84	-	5.8m

TABLE OF OUTER DIAMETERS & WALL THICKNESS

Nominal Size		Outer Diameter (mm)		Wall Thickness (mm)											
				DWV Pipes (Drain, Waste & Vent)		PRESSURE PIPES									PVC DUCT
				CEL		BS EN 1452:1-5:1996			ASTM D1785	ASTM D2241					BS 3506
DR45	DWV	CLASS C 9B 130 psi	CLASS D 12B 173 psi	CLASS E 15B 217 psi	SCH40	SDR 41 PR 100	SDR 32.5 PR 125	SDR 26 PR 160	SDR 21 PR 200	SDR 17 PR 250	SDR 13.5 315 psi	CLASS O			
1/2"	21.2 - 21.5					*1.7 - 2.1	*2.8 - 3.3					1.2 - 1.5	*1.57 - 2.08		
3/4"	26.6 - 26.9					*1.9 - 2.5	*2.9 - 3.4				*1.52 - 2.03				
1"	33.4 - 33.7					*2.2 - 2.7	*3.4 - 3.9			1.5 - 2.0	*1.6 - 2.11				
1 1/4"	42.1 - 42.4				2.2 - 2.7	2.7 - 3.2	*3.6 - 4.1		*1.5 - 2.0	1.6 - 2.1	2.0 - 2.5				
1 1/2"	48.1 - 48.4	*1.02 - 1.62			2.5 - 3.0	3.1 - 3.7	*3.7 - 4.2		*1.5 - 2.0	1.9 - 2.4	2.3 - 2.8				
2"	60.2 - 60.5	*1.34 - 1.85			2.5 - 3.0	3.1 - 3.7	3.9 - 4.5	*3.9 - 4.4		*1.9 - 2.4	2.3 - 2.8	*2.9 - 3.4	3.5 - 4.0		
3"	88.7 - 89.1				3.5 - 4.1	4.6 - 5.3	5.7 - 6.6	*5.5 - 6.2	*2.2 - 2.7	2.7 - 3.3	3.4 - 3.9	*4.2 - 4.7		1.8 - 2.1	
4"	114.1 - 114.5		*2.0 - 2.4		4.5 - 5.2	6.0 - 6.9	7.3 - 8.4	*6.0 - 6.7	2.8 - 3.3	3.5 - 4.0	4.0 - 4.9	*5.4 - 6.1	6.7 - 7.5	2.3 - 2.6	
6"	168.0 - 168.5		*3.4 - 3.8		6.6 - 7.6	8.8 - 10.2	10.8 - 12.5	*7.1 - 8.0	4.1 - 4.6	5.2 - 5.8	6.5 - 7.3	*8.0 - 9.0	9.9 - 11.1		
8"	218.8 - 219.4				7.8 - 9.0	10.3 - 11.9	12.6 - 14.5	8.2 - 9.2		6.7 - 7.5	8.4 - 9.4	*10.4 - 11.7	12.9 - 14.45		
10"	272.67 - 273.43											12.45 - 13.94	12.98 - 14.53		
12"	323.4 - 324.3				11.5 - 13.3	15.2 - 17.5	18.7 - 21.6	10.3 - 11.6				15.4 - 17.2			

SEWER Pipes

Nominal Size	Outer Diameter Min - Max. (mm)	Wall Thickness		
		Grey Sanitary Pipe	Metric Sewer Pipe	
			EN 1401 - 1	BS 4660
32mm	31.6 - 32.0	2.0 - 2.2		
40mm	39.8 - 40.2	2.0 - 2.2		
50mm	49.5 - 50.0	2.0 - 2.2		
75mm	74.8 - 75.2	2.0 - 2.4		
110mm	110.0 - 110.4	2.0 - 2.4	*3.4 - 3.7	
160mm	*160.0 - 160.6	3.2 - 3.5	*4.1 - 4.8	
200mm	*200.0 - 200.6	4.0 - 4.4		*4.9 - 5.5
315mm	*315.0 - 315.9			*7.7 - 8.7
400mm	400.0 - 401.0			*9.8 - 11.0
450mm	450.0 - 451.0			11.0 - 12.2

HDPE PIPE-POLYBLUE®

Nominal Size	Outer Diameter Min - Max. (mm)	Wall Thickness	
		BS 6730:1998/BS 6572:1998	
		Class C 9 Bar	Class D 12 Bar
1/2"	BS 6730/BS 6572 21.2 - 21.5	*1.8 - 2.0	*2.3 - 2.6
3/4"	BS 6730/BS 6572 26.6 - 26.9	*2.3 - 2.6	*2.9 - 3.2
1"	BS 6730/BS 6572 33.4 - 33.7	*2.8 - 3.1	*3.7 - 4.1
20mm	BS 6572 20.0 - 20.		2.3 - 2.6
25mm	BS 6572 25.0 - 25.3		*2.3 - 2.6
32mm	BS 6572 32.0 - 32.3		*3.0 - 3.4
50mm	BS 6572 50.0 - 50.4		*4.6 - 5.2
63mm	BS 6572 63.0 - 63.4		*5.8 - 6.5

CPVC Pipes

ASTM D 2846 CPVC 41, SDR 11 (Copper Tubing Size)		
Nominal Size	Outer Diameter Min - Max. (mm)	Wall Thickness Min - Max
1/2"	15.82 - 15.98	*1.73 - 2.24
3/4"	22.12 - 22.28	*2.03 - 2.54

Products indicated (*) are ex-stock. Other items available on special order.

CONVERSION CHART FOR THE WATER INDUSTRY

LENGTH

1m	3.281 ft	
1ft	0.3048 m	
1 inch	25.4 mm	
1km	0.62 miles	
1 mile	1.61 km	

MASS / FORCE

1 lb (avdp)	453.6 grams	
1 kg	2.204 lbs	
	9.81 N	
1 N	0.10197 kg	
1 metric tonne	0.984 tons (long)	
1 grain	64.8 mg	
1 metric tonne	1000 kg	

VOLUME

1 m ³	1000 litres	
	264 US gallons	
	220 UK gallons	
	35.31 ft ³	
1 ft ³	7.48 US gallons	
	6.23 UK gallons	
	0.0283 m ³	
	28.3 litres	
1 litre	1.057 quarts	
1 US gallon	3.785 litres	
1 UK gallon	4.546 litres	
1 US gallon	0.833 UK gallons	

PRESSURE

1 bar	10 ⁵ N/m ²	
	10 ⁻¹ N/m ²	
	100 kPa (kN/m ²)	
	14.5 psi	
	33.4 ft head water	
	10.2 m head water	
1 psi	2.307 ft head water	
	0.703 m head water	
1 atmosphere	14.7 psi	
1 in Hg	0.49116 psi	

DENSITY

1 lb/ft ³	16.02 kg/m ³	
1 UK gal water	4.54 kg	
	10 lb	
1 USG water	3.79 kg	
	8.35 lb	
1m ³ water	1000 kg	
1 litre water	1 kg	
Sand	97 lb/ft ³	1560 kg/m ³
Anthracite (Grade II)	46 lb/ft ³	730 kg/m ³
Gravel	110 lb/ft ³	1750 kg/m ³

Media Densities shown are Bulk Densities

AREA

1 m ²	10.764 ft ²	
1 m ²	1550 in ²	
1 in ²	645 mm ²	
1 ft ²	0.0929 m ²	
1 mile ²	640 acres	
1 acre	0.4047 ha	

FLOW RATES

1 litre/hr	6.34 gpd US	5.279 gpd UK
1 litre/sec	13.19 gpm UK	15.85 gpm US
	792 gph UK	951 gph US
	0.019 Mgd	
1 m ³ /sec	19.05 Mgd	
1 gpm US	0.0631 litre/sec	
1 gpm UK	0.0757 litre/sec	
1000 gph US	1.051 litre/sec	
1000 gph UK	1.262 litre/sec	
1000 gph US	90.8 m ³ /day	
1000 gph UK	109 m ³ /day	
1 Mgd	52.6 litre/sec	
	4545 m ³ /day	
	4.545 MI/day	
1 cusec	28.3 litre/sec	

TEMPERATURE

0°C	32°F	
100°C	212°F	
20°C	68°F	

FILTER/CLARIFIER RATINGS

1 m/hr	3.28 ft/hr	20.5 gph/ft ²
1 mm/s	11.5 ft/hr	72 gph/ft ²
	3.6 m/hr	



CENTURY ESLON LIMITED

Head Office:

Trinidad & Tobago
One Century Drive
Trincity Industrial Estate
Trincity, Trinidad W.I.
Tel: 1 (868) 645 5555-9
Fax: 1 (868) 645 6161

Antigua
Herbert's Estate
Potters Main Road
St. Johns, Antigua
Tel: 1 (268) 462 5555
Fax: 1 (268) 562 4055

St. Kitts
Port Road
Bird Rock
Basseterre, St. Kitts
Tel: 1 (869) 466 6351
Fax: 1 (869) 466 8568

Barbados
Green Hill
St. Michael, Barbados
Tel: 1 (246) 417 7473
Fax: 1 (246) 425 5555

St. Lucia
Gros Islet
St. Lucia
Tel: 1 (758) 450 9496
Fax: 1 (758) 451 7487

Dominica
Canefield Industrial Estate
Roseau, Dominica
Tel: 1 (767) 449 2798
Fax: 1 (767) 449 2799

St. Vincent
Calliaqua (Villa)
St. Vincent
Tel: 1 (784) 457 4031
Fax: 1 (784) 457 4268

Grenada
Grand Anse
Grenada
Tel: 1 (473) 444 4569
Fax: 1 (473) 440 6775

Suriname
Tweede Rijweg 135
Paramaribo
Suriname
Tel/Fax: 011 (597) 434 833

Jamaica
Bustamante Highway
Osbourne Store
Clarendon, Jamaica
Tel: 1 (876) 987 3871
Fax: 1 (876) 987 3855

www.centuryeslon.com