

MERIAM



PVC-U PIPES AND FITTINGS
FOR PRESSURE APPLICATIONS

www.plassim.co.il



Plassim has been manufacturing PVC-U pressure pipes and fittings for over 40 years.

APPLICATIONS

For potable water distribution, irrigation, sewage under pressure and industrial applications.

CHARACTERISTICS

- Smooth internal surface preventing build up of deposits
- Good chemical resistance
- Good corrosion resistance
- Good abrasion resistance
- Very high rigidity
- Self extinguishing with a high ignition temperature
- Immunity to biological attack
- Hazen Williams coefficient: C=150
- Easily joined with integral sockets – no specialised equipment necessary
- A wide range of fittings and accessories available

STANDARDS

Plassim's PVC-U pressure pipes are manufactured according to Israeli Standard 532, EN 1452 and ISO 4422.

SPECIFICATION

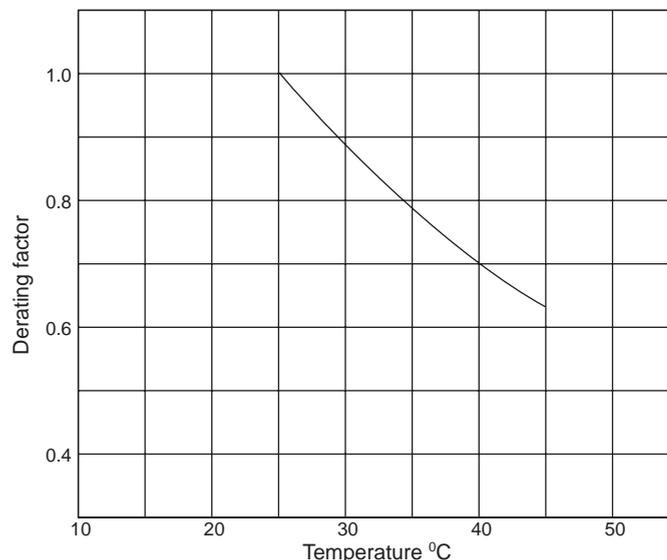
Colour:	White
Length:	Standard 6 meter lengths. (Other lengths available on application).
Joints:	Integral sockets with rubber seals (46-65 Shore A).
Material:	Specific gravity 1.4 g/cm ³
	Tensile strength 50 N/mm ²
	Modulus of elasticity 3000 N/mm ²
	Thermal conductivity 0.15 W/m °C
	Specific heat 0.23 kcal/kg °C
	Coefficient of linear thermal expansion 0.08 mm/m °C

DESIGN DATA

Head loss – The Hazen Williams equation is used to calculate pipe head loss. The coefficient (C=150) does not change for the lifetime of the pipe.

Flow rate – When designing pipelines a flow rate of not more than 3 m/sec should be used for calculations.

Temperature derating factor –



PIPES AND FITTINGS FOR PRESSURE APPLICATIONS

MERIAM PVC-U PRESSURE PIPES

- 16 bar pipes also available on request
- All pipes include integral bell sockets and seals



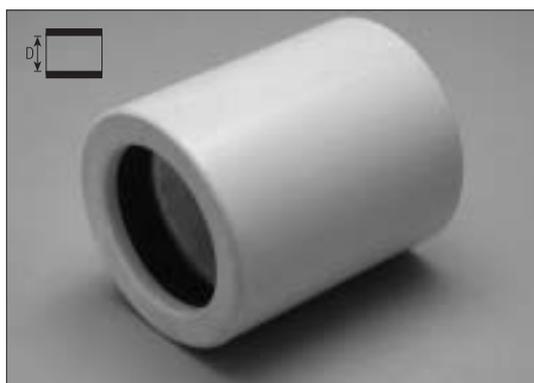
OD(mm)	PN8		PN10		PN12.5	
	Wall Thickness (mm)	Weight (kg/m)	Wall Thickness (mm)	Weight (kg/m)	Wall Thickness (mm)	Weight (kg/m)
63	2.5	0.75	3.0	0.90		
75	2.9	1.00	3.6	1.25		
90	3.5	1.50	4.3	1.80		
110	3.4	1.80	4.2	2.20	5.3	2.70
140	4.3	2.80	5.4	3.55	6.7	4.35
160	4.9	3.70	6.2	4.65	7.7	5.70
225	6.9	7.40	8.6	9.00	10.8	11.25
280	8.6	11.45	10.8	14.10	13.4	17.45
315	9.7	14.50	11.9	17.95	15.0	22.00
355	10.9	18.45	13.4	22.75	16.9	28.00
400	12.3	23.50	15.0	28.90	19.1	35.70
450	13.8	29.65	16.9	36.55	21.5	45.20
500	15.3	36.65	19.1	45.25	23.9	56.00
630	19.3	58.55	23.9	72.40	30.0	89.20
710	21.8	74.70	27.2	92.30		

PVC-U BEND WITH INTEGRAL SOCKET



Angle OD(mm)	15°	30°	45°	60°	90°
	Cat No.				
63	12063Q0000	12063Q0200	12063Q0300	12063Q0400	12063Q0500
75	12075Q0000	12075Q0200	12075Q0300	12075Q0400	12075Q0500
90	12090Q0000	12090Q0200	12090Q0300	12090Q0400	12090Q0500
110	12110Q0000	12110Q0200	12110Q0300	12110Q0400	12110Q0500
140	12140Q0000	12140Q0200	12140Q0300	12140Q0400	12140Q0500
160	12160Q0000	12160Q0200	12160Q0300	12160Q0400	12160Q0500
225	12225Q0000	12225Q0200	12225Q0300	12225Q0400	12225Q0500
280	12280Q0000	12280Q0200	12280Q0300	12280Q0400	12280Q0500
315	12315Q0000	12315Q0200	12315Q0300	12315Q0400	12315Q0500
355	12355Q0000	12355Q0200	12355Q0300	12355Q0400	12355Q0500
400	12400Q0000	12400Q0200	12400Q0300	12400Q0400	12400Q0500
450	12450Q0000	12450Q0200	12450Q0300	12450Q0400	12450Q0500
500	12500Q0000	12500Q0200	12500Q0300	12500Q0400	12500Q0500
630	12630Q0000	12630Q0200	12630Q0300	12630Q0400	12630Q0500

PVC-U STRAIGHT COUPLER



Cat No.	D(mm)	
12063M0000	63	
12075M0000	75	
12090M0000	90	
12110M0000	110	
12140M0000	140	
12160M0000	160	
12255M0000	225	
12280M0000	280	
12315M0000	315	Cast iron
12355M0000	355	Polyester coated steel
12400M0000	400	Polyester coated steel

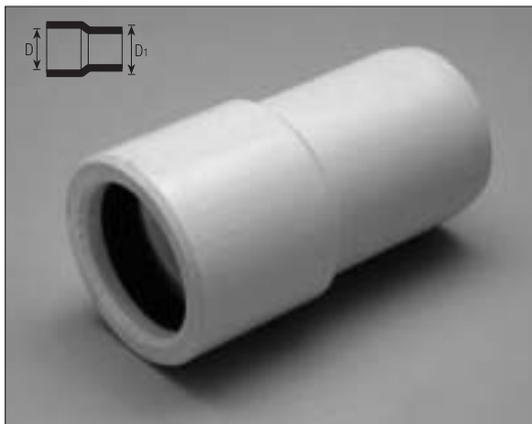
PVC-U REPAIR COUPLER

- For repair of damaged pipelines or for installation of fittings



Cat No.	D (mm)	D1 (mm)	Length (mm)
12063K0000	63	90	170
12075K0000	75	110	180
12090K0000	90	125	190
12110K0000	110	150	205
12140K0000	140	185	220
12160K0000	160	200	240
12225K0000	225	280	285
12280K0000	280	345	330
12315K0000	315	Cast iron	
12355K0000	355	Polyester coated steel	
12400K0000	400	Polyester coated steel	

REDUCER



Cat No.	D (mm)	D1 (mm)
12075D0063	63	75
12090D0063	63	90
12090D0075	75	90
12110D0063	63	110
12110D0075	75	110
12110D0090	90	110
12140D0090	90	140
12140D0110	110	140
12160D0110	110	160
12160D0140	140	160
12225D0160	160	225
12280D0225	225	280
12315D0280	280	315

CAST IRON TEE WITH PVC-U REDUCER



Cat No.	D (mm)	d (mm)	D (mm)
12075T0063	75	63	75
12090T0063	90	63	90
12090T0075	90	75	90
12110T0063	110	63	110
12110T0075	110	75	110
12110T0090	110	90	110
12140T0090	140	90	140
12140T0110	140	110	140
12160T0110	160	110	160
12160T0140	160	140	160
12225T0160	225	160	225

CAST IRON TEE



Cat No.	D (mm)
12063T0063	63-63-63
12075T0075	75-75-75
12090T0090	90-90-90
12110T0110	110-110-110
12140T0140	140-140-140
12160T0160	160-160-160
12225T0225	225-225-225
12280T0280	280-280-280

CAST IRON FLANGED TEE

- Flanges according to British Standard



Cat No.	D (mm)	Flange (in)	Distance between holes K (mm)
12075T0308	75	3"	146
12090T0308	90	3"	146
12090T0314	90	4"	178
12110T0308	110	3"	146
12110T0314	110	4"	178
12140T0308	140	3"	146
12140T0314	140	4"	178
12140T0316	140	6"	235
12160T0308	160	3"	146
12160T0314	160	4"	178
12160T0316	160	6"	235
12225T0314	225	4"	178
12225T0316	225	6"	235
12225T0318	225	8"	292
12280T0318	280	8"	292
12280T0320	280	10"	356

CAST IRON FLANGED BELL SOCKET

- Flanges according to British Standard



Cat No.	Flange (in)	D (mm)	Distance between holes K (mm)
12063O0006	2"	63	113
12075O0008	3"	75	146
12090O0008	3"	90	146
12090O0014	4"	90	178
12110O0014	4"	110	178
12140O0016	6"	140	233
12160O0016	6"	160	235
12225O0018	8"	225	292
12280O0020	10"	280	356
12315O0022	12"	315	406
12355O0024	14"	355	470
12400O0026	16"	400	521
12450O0028	18"	450	584
12500O0030	20"	500	641
12630O0034	24"	630	756
12710O0038	28"	710	873

CAST IRON END CAPS

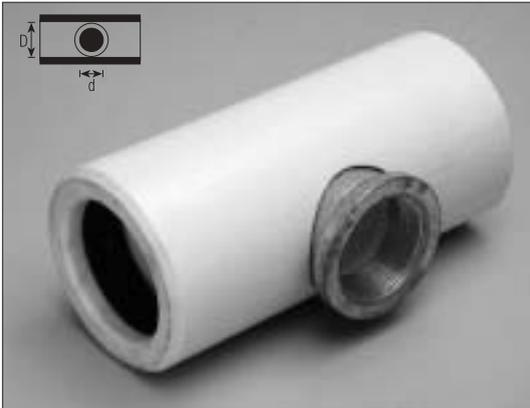
- Also available with threaded outlet



Cat No.	D (mm)	Thread (in)
12063O0000	63	-
12075O0000	75	-
12090O0000	90	-
12110O0000	110	-
97000O7220	75	2"
97000O7230	90	2"
97000O7240	110	2"
97000O7250	140	2"
97000O7260	160	2"

IRRIGATION FITTINGS

PVC-U TEE WITH CAST IRON THREADED OUTLET



Cat No.	D (mm)	d (in)
12063T0106	63	2"
12075T0106	75	2"
12075T0108	75	3"
12090T0106	90	2"
12090T0108	90	3"
12110T0106	110	2"
12110T0108	110	3"
12140T0106	140	2"
12140T0108	140	3"
12160T0102	160	2"
12160T0108	160	3"
12160T0114	160	4"
12225T0102	225	2"
12225T0108	225	3"
12225T0114	225	4"
12280T0102	280	2"
12280T0108	280	3"
12280T0114	280	4"
12315T0102	315	2"
12315T0108	315	3"
12315T0114	315	4"

PVC-U TEE WITH CAST IRON FLANGE

- Flanges according to British Standard



Cat No.	D (mm)	Flange (in)
12140T0208	140	3"
12160T0208	160	3"
12160T0208	160	3"
12225T0208	225	3"
12225T0214	225	4"
12280T0214	280	4"
12315T0208	315	3"
12315T0214	315	4"

PVC-U CROSS WITH DOUBLE CAST IRON FLANGE

- Flanges according to British Standard



Cat No.	D (mm)	Flange (in)
12160C0208	160	3"
12225C0208	225	3"

**PVC-U CROSS WITH DOUBLE CAST
IRON THREADED OUTLETS**



Cat No.	D (mm)	d (in)
12075C0006	75	2"
12090C0006	90	2"
12090C0008	90	3"
12110C0006	110	2"
12110C0008	110	3"
12140C0006	140	2"
12140C0008	140	3"
12160C0006	160	2"
12160C0008	160	3"
12160C0014	160	4"
12225C0014	225	4"
12280C0014	280	4"

PVC-U SPIGOT WITH THREAD



Cat No.	D (mm)		d (in)	
12063D0106	63	Female	2"	Outside
12063D0108	63	Female	3"	Outside
12075D0206	75	Male	2"	Inside
12075D0108	75	Male	3"	Outside
12090D0108	90	Male	3"	Outside
12110D0208	110	Male	3"	Inside
12110D0114	110	Male	4"	Outside

LUBRICANT PASTE



Cat No.	
51000S0510	Tube
51000S0555	2.5 kg bucket