



PVC PIPES & FLEXIBLE HOSES

PVC PIPES & FLEXIBLE HOSES

EnviroPlast manufactures PVC Pipes and Flexible PVC Hoses to provide versatility, durability, and cost-effective solutions for residential, commercial, industrial and mining applications. PVC (Polyvinyl Chloride) pipes are known for their rigidity, corrosion resistance, and smooth internal surfaces, making them ideal for water supply, drainage, irrigation, and electrical conduit systems. On the other hand, Flexible PVC Hoses offer enhanced flexibility while maintaining strength and chemical resistance, making them suitable for low-pressure fluid transfer, plumbing connections, garden irrigation, and industrial uses. EnviroPlast offers U-PVC Pipes (Unplasticized PVC Pipes) for high strength and rigidity, M-PVC Pipes (Modified PVC Pipes) for enhanced toughness. Both PVC Pipes and Flexible PVC Hoses are designed to handle a variety of applications such as potable water distribution, sewage and drainage systems, irrigation, electrical conduit, and industrial fluid transport offering advantages such as lightweight handling, ease of installation, long service life and low maintenance.

U-PVC Pipes

U-PVC Pipes are a rigid, durable, and non-toxic piping solution widely used in both residential and industrial applications. Made from unplasticized polyvinyl chloride, these pipes do not contain plasticizers, making them stronger, more chemical-resistant, and environmentally friendly. EnviroPlast manufactures U-PVC Pipes in sizes ranging from 16mm to 630mm in diameter and come in different pressure classes and configurations, including plain, socketed, and threaded ends. EnviroPlast's U-PVC Pipes are extensively used in potable water supply, wastewater and drainage systems, agricultural irrigation, electrical conduit, mining and industrial fluid handling. The key advantages of U-PVC Pipes include corrosion resistance, lightweight design, low maintenance, smooth internal surfaces for efficient flow, and long service life. Their easy installation and reliability make U-PVC Pipes a preferred choice for sustainable and cost-effective infrastructure solutions.

M-PVC Pipes

M-PVC Pipes (Modified Polyvinyl Chloride) are a high-performance piping solution engineered to offer enhanced strength, toughness, and impact resistance compared to standard uPVC. Developed through material modification, EnviroPlast's M-PVC Pipes retain the corrosion resistance and lightweight nature of traditional PVC while delivering greater durability under pressure and harsh conditions. EnviroPlast manufactures M-PVC Pipes in sizes ranging from 16mm to 630mm in diameter are commonly used in potable water distribution, irrigation, sewerage, mining, and industrial applications. They come in different configurations such as plain-ended, socketed, or gasketed joints, allowing for easy and secure installation. The key advantages of M-PVC pipes include high impact resistance, longer lifespan, reduced risk of cracking, and improved hydraulic performance, making them a reliable and cost-effective choice for both new installations and pipe replacement projects.

Flexible PVC Hoses

Flexible PVC pipes are versatile, lightweight, and easy-to-handle piping solutions designed for applications that require movement, bending, or installation in tight spaces. Unlike rigid PVC, these pipes are made with added plasticizers to enhance flexibility while maintaining strength and durability. EnviroPlast manufactures Flexible PVC Pipes in sizes ranging from 5mm to 250mm in diameter. EnviroPlast's Flexible PVC Pipes come in different types such as garden and industrial hoses, suction and delivery hoses, dragline irrigation hoses, fire hoses, mining hoses and anti-static reinforced hoses, each tailored for specific uses. These pipes are ideal for garden irrigation, pool and spa systems, water pumps, air and fluid transfer, mining and industrial applications. Key advantages include resistance to corrosion, chemicals, and UV exposure, along with quick installation, kink resistance, and reusability. Their adaptability and performance make flexible PVC pipes a practical solution for both temporary and permanent fluid transport systems.

U-PVC PIPES SPECIFICATIONS

EnviroPlast's Unplasticised PVC (U-PVC) Pressure Pipes are a well-established solution with a proven history of performance in water reticulation systems. Manufactured in compliance with SANS 966 Part 1, our pipes are designed using traditional stress ratings of 10 and 12.5 MPa, making them highly reliable for both pumped and gravity-fed applications. EnviroPlast offers U-PVC Pressure Pipes in standard 6m Lengths and Pressure classes of 4, 6, 9, 12, 16 and 20 Bar.

U-PVC Pipes Specifications



U-PVC Pipe Dimensions

Outside dia. mm	Class 4		Class 6		Class 9		Class 12		Class 16		Class 20	
	mm	kg	mm	kg	mm	kg	mm	kg	mm	kg	mm	kg
16	-	-	-	-	-	-	-	-	1.5	0.62	-	-
20	-	-	-	-	-	-	-	-	1.5	0.79	-	-
25	-	-	-	-	-	-	1.5	1.01	1.9	1.25	-	-
32	-	-	-	-	1.5	1.31	1.8	1.55	2.4	2.03	-	-
40	-	-	1.5	1.65	1.8	1.96	2.3	2.47	3.0	3.16	-	-
50	1.5	2.08	1.8	2.48	2.2	3.00	2.8	3.77	3.7	4.88	-	-
63	1.5	2.63	1.9	3.31	2.7	4.64	3.6	6.09	4.7	7.80	-	-
75	1.5	3.15	2.2	4.57	3.2	6.56	4.3	8.67	5.6	11.07	-	-
90	1.8	4.53	2.7	6.73	3.9	9.58	5.1	12.34	6.7	15.89	-	-
110	2.2	6.77	2.6	8.14	3.9	12.11	5.1	15.67	6.7	20.29	8.2	24.48
125	2.5	8.91	3.0	10.66	4.4	15.53	5.8	20.25	7.6	26.15	9.3	31.55
140	2.8	11.19	3.3	13.19	4.9	19.37	6.5	25.41	8.5	32.75	10.4	39.51
160	3.2	14.64	3.8	17.36	5.6	25.32	7.4	33.10	9.7	42.76	11.9	51.73
200	3.9	22.40	4.7	26.92	7.0	39.68	9.2	51.62	12.1	66.92	14.9	81.24
250	4.9	35.33	5.9	42.46	8.7	62.68	11.5	81.12	15.1	105.03	18.6	127.58
315	6.2	56.44	7.4	67.28	11.0	99.04	14.5	129.29	19.0	167.12	-	-
355	7.0	72.19	8.4	86.55	12.4	126.57	16.3	164.83	21.4	213.49	-	-
400	7.9	90.90	9.4	109.40	14.0	161.41	18.4	210.21	-	-	-	-
450	-	-	10.6	139.39	15.7	204.60	-	-	-	-	-	-
500	-	-	11.8	172.59	17.4	252.34	-	-	-	-	-	-

M-PVC PIPES SPECIFICATIONS

EnviroPlast's Modified PVC (M-PVC) is a high-performance, modified PVC pressure pipe engineered for enhanced strength, toughness, and impact resistance. Designed to deliver superior durability, EnviroPlast's pipes are manufactured in compliance with SANS 966 Part 2, based on a robust design stress of 18 MPa, making them ideal for demanding pressure applications. EnviroPlast offers M-PVC Pressure Pipes in standard 6m Lengths and Pressure classes of 6, 9, 12, 16, 20 and 25 Bar.

M-PVC Pipes Specifications



M-PVC Pipe Dimensions

Outside dia. mm	Class 6		Class 9		Class 12		Class 16		Class 20		Class 25	
	mm	kg	mm	kg	mm	kg	mm	kg	mm	kg	mm	kg
50	1.5	2.1	1.5	2.1	1.7	2.4	2.2	3.0	2.7	3.7	3.3	4.4
63	1.5	2.7	1.6	2.8	2.1	3.7	2.7	4.7	3.4	6.0	4.1	7.0
75	1.5	3.2	1.9	4.0	2.5	5.3	3.2	6.8	4.0	8.2	4.9	10.0
90	1.8	4.6	2.2	5.6	3.0	7.6	3.9	9.7	4.8	11.9	5.9	14.4
110	2.2	6.9	2.7	8.4	3.6	11.1	4.7	14.4	5.8	17.6	7.2	21.5
122	-	-	-	-	4.0	13.3	5.2	17.2	-	-	-	-
125	2.5	8.9	3.1	11.0	4.1	14.4	5.4	19.1	6.6	22.7	8.2	27.9
140	2.8	11.2	3.5	14.2	4.6	18.1	6.0	24.1	7.4	28.6	9.1	35.8
160	3.2	14.6	4.0	18.2	5.2	23.5	6.9	30.8	8.5	37.6	10.4	45.5
177	-	-	-	-	5.8	28.1	7.7	36.8	-	-	-	-
200	3.9	22.3	4.9	27.9	6.5	36.8	8.6	48.2	10.6	60.3	13.0	71.3
250	4.9	35.1	6.1	44.9	8.1	57.6	10.7	75.4	13.2	94.6	16.3	112.5
315	6.2	56.3	7.7	69.7	10.2	91.7	13.5	120.3	16.6	146.7	-	-
355	7.0	72.0	8.7	89.2	11.5	117.3	15.2	153.6	-	-	-	-
400	7.8	90.3	9.8	113.5	13.0	149.8	17.1	195.4	-	-	-	-
450	8.9	116.7	11.0	144.0	14.6	190.1	-	-	-	-	-	-
500	9.8	144.4	12.2	177.7	16.2	234.8	-	-	-	-	-	-



FLEXIBLE PVC HOSES SPECIFICATIONS

EnviroPlast manufactures a wide range of Flexible PVC Hoses to provide versatility and cost-effective solutions. Renowned for durability, quality, and trusted performance, EnviroPlast's extensive range of Flexible PVC Hoses are designed to meet the demands of various applications including mining, irrigation, industrial, and domestic use.

Garden Hoses

- Highly flexible
- Easy to coil all year round
- UV stabilised
- Suitable for: domestic gardens, certain agricultural and industrial applications
- Heavy metal free
- Have a PVC inner liner and outer cover, reinforced with polyester yarn
- Available in 15m, 20m, 50m and 100m lengths.



Dragline Irrigation Hoses

- Longitudinally reinforced to prevent stretching when dragged
- Long lasting
- Cut and abrasion resistant
- UV stabilised
- Have a PVC inner liner and outer cover, reinforced with polyester yarn.
- Available in 30m, 36m, 50m and 100m lengths.

FLEX DLD20

Premium Economy
Working pressure of 700 kPa
Burst pressure of 2 800 kPa

Internal Diameter (mm)	12	20
Mass per metre (g)	114	224

FLEX DLD25

Standard Duty
Working pressure of 750 kPa
Burst pressure of 3 000 kPa

Internal Diameter (mm)	12	20
Mass per metre (g)	141	267

FLEX DLD60

Heavy Duty
Working pressure of 1 000 kPa
Burst pressure of 4 000 kPa
SANS 271

Internal Diameter (mm)	12	20	25
Mass per metre (g)	194	365	530

FLEX I772

Standard Duty

Nominal Internal Diameter (mm)	12	20	25
Working Pressure (kPa)	875	800	1 000
Burst Pressure (kPa)	3 500	3 200	4 000
Mass per metre (g) (nominal)	155	302	561

FLEX I775

Medium Duty
SANS 271

Nominal Internal Diameter (mm)	14	20	25
Working Pressure (kPa)	1 000	1 000	1 000
Burst Pressure (kPa)	4 000	4 000	4 000
Mass per metre (g) (nominal)	280	358	561

FLEX I779

Heavy Duty
SANS 271

Nominal Internal Diameter (mm)	20
Working Pressure (kPa)	1 000
Burst Pressure (kPa)	4 000
Mass per metre (g) (nominal)	396

FLEX I6001 & I6002

Clear Wall Hose

Low-pressure applications such as laboratory tubing, aquariums
Chemical and abrasion resistant. Good clarity

Internal Diameter (mm)	5	6,3	8	10	12,5	16	20	25
Wall Thickness I6001	0,8	1,10	1,1	1,2	1,6	1,6	-	-
Wall Thickness I6002	1,4	2,2	2,2	2,7	2,7	2,8	2,8	3,3

Industrial Hoses

- Are flexible
- Have high burst and working pressures
- Have good resistance to fuels, gases and chemicals
- Are heavy metal free

FLEX I7009

Clear Reinforced Hose

High-pressure applications such as air, diluted acids and oils
Good chemical and abrasion resistance

Internal Diameter (mm)	6,3	8	10	12,5	16	20	25	32	40	50
Working Pressure (kPa)	1 475	1 475	1 125	1 050	1 050	1 050	1 050	950	800	750
Burst Pressure (kPa)	5 900	5 200	4 500	4 200	4 000	4 000	4 000	3 800	3 600	3 000
Mass per metre (g)	95	113	134	175	232	335	525	812	1 311	1 826

FLEX I7019

Fuel Hose

Good resistance to fuel, diesel and gas

Cut and abrasion resistant

Internal Diameter (mm)	6	8	10	12
Working Pressure (kPa)	1 475	1 300	1 125	1 050
Burst Pressure (kPa)	5 900	5 200	4 500	4 200
Mass per metre (g)	93	116	140	185

FLEX I7029

SANS 1156

Orange LP Gas Hose

Good resistance to fuel, diesel and gas

Cut and abrasion resistant

Internal Diameter (mm)	6	8	10
Outside Diameter (mm)	9	11	13
Working Pressure (kPa)	1 475	1 300	1 125
Burst Pressure (kPa)	5 900	5 200	4 500
Mass per metre (g)	110	135	167

FLEX I7004

Air and Water Hose

Good oil and chemical resistance

Cut and abrasion resistant

Air lines, Air tools, Coolant Lines and Spray paint Lines

Nominal Internal Diameter (mm)	6	8	10	12
Working Pressure (kPa)	2 000	1 800	1 700	1 700
Burst Pressure (kPa)	8 000	7 200	6 800	6 800
Mass per metre (g)	109	166	207	262

FLEX F694

Fire Reel Hose

10-year design life | Specially designed for the fire fighting industry

Features a heavy duty nylon reinforcing to withstand the high pressure encountered in municipal mains | EN 694

Nominal Internal Diameter (mm)	20
Working Pressure (kPa)	1 050
Burst Pressure (kPa)	4 200
Mass per metre (g)	331



FLEX F776

SANS 1086

10-year design life

Specially designed for the fire fighting industry

Features a heavy duty nylon reinforcing to withstand the high pressure encountered in municipal mains

Nominal Internal Diameter (mm)	12	20
Working Pressure (kPa)	1 700	1 500
Burst Pressure (kPa)	6 800	6 000
Mass per metre (g)	265	414

FLEX IS655

Standard Duty

Yellow clear

Good flexibility

Lightweight

Nominal Dimensions (mm)							
Internal Diameter	25	32	40	50	64	75	100
Mass per metre (g)	312	540	635	747	1 281	1 573	2 731
Bending Radius (mm)	40	60	80	105	135	180	295
% Vacuum	99	99	99	99	99	99	99

Suction & Delivery Hoses

- Ability to withstand up to 99% vacuum
- Full flow, smooth bore
- Ultra-violet stabilisation
- Temperature range of 0°C to 60°C
- Suction and delivery hoses have a rigid PVC core, co-extruded with a flexible PVC outer cover, which is spirally wound to form a reinforced hose.

FLEX IS754

Ducting Hose - Grey

Light Duty

Extremely flexible hose

Suitable for ducting of chemical fumes, ventilation, air conditioning or light duty dust extraction applications

Nominal Dimensions (mm)									
Internal Diameter	25	32	40	50	64	75	100	125	150
Mass per metre (g)	225	394	409	589	770	875	1 000	1 670	1 900

FLEX IS755

Medium Duty - Black
Additional UV stabilisation
Flexible and abrasion resistant

Nominal Dimensions (mm)							
Inside Diameter	25	32	40	50	64	75	100
Mass per metre (g)	393	657	818	1 004	1 418	1 882	3 000
Bending Radius (mm)	45	70	90	110	150	210	350
% Vacuum	99	99	99	99	99	99	99



FLEX IS756

Medium Duty
Yellow Clear
Flexible and abrasion resistant

Nominal Dimensions (mm)								
Internal Diameter	25	32	40	50	64	75	100	150
Mass per metre (g)	452	553	779	999	1 280	1 716	2 887	6 100
Bending Radius (mm)	45	65	90	110	150	200	305	700
% Vacuum	99	99	99	99	99	99	99	99

FLEX IS866

Heavy Duty
Abrasion and crush resistant

Nominal Dimensions (mm)											
Inside Diameter	25	32	40	50	64	75	100	125	150	200	250
Mass per metre (g)	436	723	941	1 177	1 761	2 053	3 331	5 219	6 866	12 556	15 687
Bending Radius (mm)	80	120	170	250	350	400	500	1 000	1 500	2 000	2 500
% Vacuum	99	99	99	99	99	99	99	95	95	90	85

FLEX IS863

Medium Duty White Super
Flexi Highly flexible
Lightweight

Nominal Dimensions (mm)					
Internal Diameter	100	125	150	200	250
Outside Diameter	111	136	159	210	266
Mass per metre (g)	2 875	4 580	4 726	7 960	11 275
Bending Radius (mm)	800	800	900	1 000	1 500
% Vacuum	98	96	95	90	90

FLEX IS865

Extra-heavy Duty
Abrasion resistant

Nominal Dimensions (mm)					
Internal Diameter	100	125	150	200	250
Outside Diameter	116	141	171	230	282
Mass per metre (g)	3 367	5 131	6 824	12 553	15 583
Bending Radius (mm)	500	1 500	1 500	2 000	2 500
% Vacuum	99	97	95	90	85

FLEX IS867

Fuel Resistant
Good resistance to fuels and gases

Nominal Dimensions (mm)							
Internal Diameter	25	32	40	50	64	75	100
Mass per metre (g)	418	702	864	1 178	1 779	2 077	3 246
Bending Radius (mm)	80	120	170	250	350	400	500
% Vacuum	99	99	99	99	99	99	99

FLEX IS868

Non-toxic
Specially formulated for the conveyance of food products

Nominal Dimensions (mm)										
Inside Diameter	25	32	40	50	64	75	100	125	150	200
Outside Diameter	32	41	49	60	76	87	115	140	170	221
Mass per metre (g)	410	695	849	1 136	1 748	2 046	3 192	5 176	7 308	8 626
Bending Radius (mm)	80	120	170	250	350	400	500	1 000	1 500	2 000
% Vacuum	99	99	99	99	99	99	99	95	95	90

Mining Hoses

- Specially developed for South African mining conditions
- Manufactured with PVC inner liner, polyester reinforcing, PVC outer cover
- Ultra-violet stabilisation
- Temperature range of 0 to 60°C
- Long lasting, lightweight, flexible, cut and abrasion resistant, oil resistant and non-absorbent, tested for high burst pressures
- As temperatures increase, pressure ratings decrease.



MD500 ORANGE MINING HOSE

SANS 1086
Standard Duty

Nominal Dimensions						
Internal Diameter (mm)	10	12	20	25	32	50
Working Pressure (kPa)	1 700	1 700	1 500	1 400	1 000	875
Burst Pressure (kPa)	6 800	6 800	6 000	5 600	4 000	3 500
Mass per metre (g) (nominal)	185	256	415	586	852	1 936

MD4508 BLUE MINING HOSE

SANS 1086
Medium Duty

Nominal Dimensions					
Internal Diameter (mm)	10	12	20	25	32
Working Pressure (kPa)	1 700	1 700	1 500	1 400	1 000
Burst Pressure (kPa)	6 800	6 800	6 000	5 600	4 000
Mass per metre (g) (nominal)	185	259	415	586	852



M5008 GREEN MINING HOSE

SANS 1086
Heavy Duty

Nominal Dimensions							
Internal Diameter (mm)	10	12	20	25	32	40	50
Working Pressure (kPa)	1 700	1 700	1 500	1 400	1 000	880	880
Burst Pressure (kPa)	6 800	6 800	6 000	5 600	4 000	3 500	3 500
Mass per metre (g) (nominal)	199	277	578	646	947	1 313	2 053

MAS58 YELLOW ANTI-STATIC HOSE

Anti-static inner liner. Compliance with BS 2050/1978
Resistance requirements of 3×10^3 to 1×10^6 n/m

Nominal Dimensions			
Internal Diameter (mm)	12	25	50
Working Pressure (kPa)	1 700	1 400	880
Burst Pressure (kPa)	6 800	5 600	3 500
Mass per metre (g) (nominal)	264	603	1 918

M7011 RED ROCK DRILL HOSE

High burst and working pressures
Extra polyester reinforcing
For use with air compressors in construction works, quarries
and heavy duty mining applications

Nominal Dimensions							
Internal Diameter (mm)	10	12	20	25	32	40	50
Working Pressure (kPa)	3 000	3 000	2 250	2 000	1 750	1 600	1 600
Burst Pressure (kPa)	16 800	12 000	9 000	8 000	7 000	6 400	6 400
Mass per metre (g) (nominal)	300	367	699	943	1 421	1 892	2 575

ANTI-STATIC LOADING HOSE

Anti-static and semi-conductive

Compliance with BS 2050/1978

Resistance requirements of 3x10³ to 1x10⁶n/m

Description	Nominal Internal Diameter (mm)	Nominal Outside Diameter (mm)	
M8003: Smooth	16	23	
M8003: Smooth	20	26	
M8013: Ribbed Heavy Duty	16	25	
M8013: Ribbed Heavy Duty	20	30	
M7012: Red Reinforced Flexible	20	28	
M7022: Black Reinforced	16	22	
M7022: Black Reinforced	20	26	
M7022: Black Reinforced	25	31	



ENVIROPLAST.

A unique approach
centered on smart
solutions and
environmental
sustainability



**TALK WITH US
ABOUT HOW WE
CAN HELP YOU.**
📞 +27 69 304 2189

EnviroPlast

South Africa

EnviroPlast (PTY) LTD
167 Alumina Street
Silvertondale
Pretoria
Gauteng
0184

Tel: +27 12 824 2708
Cell: +27 69 304 2189
E-mail: info@enviroplast.africa
Website: www.enviroplast.africa

Zimbabwe

PlastiPack Distributors (PVT) LTD
11763 Bulawayo Road
Warren Park D
Harare
Zimbabwe

Cell: +263 772 527 602
Cell: +263 715 295 204
E-mail: info@enviroplast.africa
Website: www.enviroplast.africa

Zambia

PlastiTech Investments LTD
400/401 Lilayi Gondwe Street
Lilayi
Lusaka Province
Lusaka
Zambia

Cell: +260 76 564 9877
E-mail: info@enviroplast.africa
Website: www.enviroplast.africa