

POLYTHENE PIPE

Technical Data

Conversions	kPa	psi	mH ₂ O
1 bar	100	14.5	10.20
1 psi	6.9	-	-

Lateral Dimensions and Pressure Ratings

Nominal Bore	Average Outside Diameter (mm)	Average Wall Thickness (mm)	Max Working Pressure		Average Internal Diameter (mm)
			psi	kPa	
15mm	15.30	1.15	72	500	13.00
16mm	18.60	1.30	72	500	16.00
19mm	22.00	1.50	72	500	19.00
25mm	28.70	1.85	72	500	25.00

Low Density Dimensions and Pressure Ratings

Nominal Bore	Average Outside Diameter (mm)	Average Wall Thickness (mm)	Max Working Pressure		Average Internal Diameter (mm)
			psi	kPa	
15mm	17.10	2.45	140	970	12.20
20mm	25.15	3.30	130	900	18.55
25mm	31.50	3.30	115	800	24.90
32mm	37.75	3.30	94	650	31.20
40mm	44.15	3.30	87	600	37.55
45mm	50.25	3.30	80	550	43.65
50mm	56.85	3.30	72	500	50.25

K.Pipe Dimensions and Pressure Ratings

Nominal Bore	Average Outside Diameter (mm)	Average Wall Thickness (mm)	Max Working Pressure		Average Internal Diameter (mm)
			psi	kPa	
32mm	37.75	3.30	94	650	31.20
40mm	44.15	3.30	87	600	37.55
45mm	50.25	3.30	80	550	43.55
63mm	63.30	4.00	72	500	55.20

MDID Dimensions and Pressure Ratings

PN9

Nominal Bore	Average Outside Diameter (mm)	Average Wall Thickness (mm)	Max Working Pressure	Average Internal Diameter (mm)
			PN (Bar)	
15mm	17.30	1.70	9 Bar	13.90
20mm	25.15	1.80	9 Bar	21.50
25mm	31.50	2.20	9 Bar	27.10
32mm	37.75	2.65	9 Bar	32.40
40mm	44.15	3.15	9 Bar	37.80
50mm	60.40	4.25	9 Bar	51.90

*Average = mean distribution of manufacturing tolerances and is provided as a guide only.

POLYTHENE PIPE

PN12

Nominal Bore	Average Outside Diameter (mm)	Average Wall Thickness (mm)	Max Working Pressure PN (Bar)	Average Internal Diameter (mm)
15mm	17.50	1.75	12 Bar	13.80
20mm	25.15	2.45	12 Bar	20.25
25mm	31.50	3.10	12 Bar	25.30
32mm	37.75	3.65	12 Bar	30.45
40mm	44.15	4.25	12 Bar	35.65
50mm	60.40	5.75	12 Bar	48.90

Standard Dimension Ratios (SDRs) for SERIES 1 Pipes

Compound	PN 6.3	PN 8	PN 9	PN 10	PN 12.5	PN 16	PN 20
PE80	21	17	15.3	13.6	11	9	7.4
PE100		21		17	13.6	11	9

Medium Density Dimensions and Pressure Ratings - PE80/100

Size External Dimensions	Average OD (mm)	SDR 21		SDR 17		SDR 15.3	
		Average Wall Thickness (mm)	ID (mm)	Average Wall Thickness (mm)	ID (mm)	Average Wall Thickness (mm)	ID (mm)
20mm	20.10					1.75	16.65
25mm	25.20			1.75	21.65	1.80	21.45
32mm	32.20			2.05	28.05	2.35	27.45
40mm	40.20	2.05	36.10	2.50	35.00	2.85	34.50
50mm	50.20	2.60	45.05	3.20	43.85	3.60	43.05
63mm	60.30	3.25	56.90	4.05	55.20	4.45	54.40
75mm	75.30	3.65	67.65	4.80	65.75	5.20	64.75
90mm	90.14	4.37	81.25	5.75	78.95	6.35	77.75
110mm	110.50			7.00	96.50	7.75	95.00

Size External Dimensions	Average OD (mm)	SDR		SDR 11		SDR 9		SDR 7.4	
		Average Wall Thickness (mm)	ID (mm)	Average Wall Thickness (mm)	ID (mm)	Average Wall Thickness (mm)	ID (mm)	Average Wall Thickness (mm)	ID (mm)
20mm	20.10	1.75	16.65	2.05	16.05	2.50	15.15	3.00	14.15
25mm	25.20	2.05	21.05	2.50	20.15	3.00	19.15	3.75	17.65
32mm	32.20	2.60	26.95	3.10	25.95	3.85	24.45	4.70	22.75
40mm	40.20	3.20	33.80	3.95	32.30	4.80	30.60	5.85	28.50
50mm	50.20	3.95	42.35	4.90	40.45	5.95	38.35	7.30	35.65
63mm	60.30	5.00	53.30	6.15	51.00	7.55	48.20	9.10	45.10
75mm	75.30	5.60	63.65	7.20	60.95	8.90	57.55	10.90	53.55
90mm	90.14	7.00	76.45	8.70	73.05	10.70	69.05	13.00	64.46
110mm	110.50	8.60	93.30	10.50	89.40	13.00	84.50	15.95	78.60

*Average = mean distribution of manufacturing tolerances and is provided as a guide only.

POLYTHENE PIPE

Lateral Polythene Pipe

RXP Code	Average Nominal Bore (ID) (mm)	Average Outside Diameter (mm)	Coil Sizes (metres)	Pressure Rating kPa / psi
LAT13.020	13mm	15.3mm	20m	500/72
LAT13.050	13mm	15.3mm	50m	500/72
LAT13.100	13mm	15.3mm	100m	500/72
LAT13.200	13mm	15.3mm	200m	500/72
LAT13.300	13mm	15.3mm	300m	500/72
LAT13.400	13mm	15.3mm	400m	500/72
LAT16.025	16mm	18.6mm	25m	500/72
LAT16.050	16mm	18.6mm	50m	500/72
LAT16.100	16mm	18.6mm	100m	500/72
LAT16.200	16mm	18.6mm	200m	500/72
LAT16.300	16mm	18.6mm	300m	500/72
LAT16.400	16mm	18.6mm	400m	500/72
LAT19.025	19mm	22mm	25m	500/72
LAT19.050	19mm	22mm	50m	500/72
LAT19.100	19mm	22mm	100m	500/72
LAT19.200	19mm	22mm	200m	500/72
LAT19.300	19mm	22mm	300m	500/72
LAT25.025	25mm	28.7mm	25m	500/72
LAT25.050	25mm	28.7mm	50m	500/72
LAT25.100	25mm	28.7mm	100m	500/72
LAT25.200	25mm	28.7mm	200m	500/72
RXGT25.050	24.9mm	28.7mm	50m	500/72
RXGT25.060	24.9mm	28.7mm	60m	500/72
RXGT25.070	24.9mm	28.7mm	70m	500/72

Special prices may be give on larger quantities over 10,000 metres of individual pipe size groups. Pipe available in special lengths on request.

Pot Dripper and Sprinkler Tube

RXP Code	Description	(ID) (mm)	(OD) (mm)
POTD.3MM.050	3mm ID wall x 50 metres coil Pot dripper tube PVC		
PT9/13.100	9mm ID wall x 100 metres coil Sprinkler Tube PE		
PVC4/7.050	PVC 4/7.050 metres - Sprinkler Tube PVC	4mm	7mm
PVC4/7.200B	PVC 4/7.200mm complete with connector barb	4mm	7mm
PVC4/7.600B	PVC 4/7.600mm complete with connector barb	4mm	7mm
PVC4/7.600NB	PVC 4/7.600mm without connector barb	4mm	7mm
PVC7/10.050	PVC7/10.050 metres - Sprinkler Tube PVC	7mm	10mm



POLYTHENE PIPE

Low Density Polythene Pipe

- Higher pressure rating than New Zealand standard.
- Tough and durable.
- Thick wall to avoid “kinking”.
- Numbered metre markings on pipe for easy installation.
- Fits RXP Compression fittings 32mm to 40mm (½” to 1 ½”).
- Fits RXP Low Density fitting 15mm to 50mm (½” to 2”).
- Easy to work with and user friendly.

RXP Code	Nominal Bore	Pressure Rating (Maximum Working Pressure)
LD15.025	15mm	970 kPa / 140psi
LD15.050	15mm	970 kPa / 140psi
LD15.100	15mm	970 kPa / 140psi
LD15.200	15mm	970 kPa / 140psi
LD20.025	20mm	900 kPa / 130psi
LD20.050	20mm	900 kPa / 130psi
LD20.100	20mm	900 kPa / 130psi
LD20.200	20mm	900 kPa / 130psi
LD25.025	25mm	800 kPa / 115psi
LD25.050	25mm	800 kPa / 115psi
LD25.100	25mm	800 kPa / 115psi
LD25.200	25mm	800 kPa / 115psi
LD32.025	32mm	650 kPa / 94psi
LD32.050	32mm	650 kPa / 94psi
LD32.100	32mm	650 kPa / 94psi
LD32.200	32mm	650 kPa / 94psi
LD40.025	40mm	600 kPa / 87psi
LD40.050	40mm	600 kPa / 87psi
LD40.100	40mm	600 kPa / 87psi
LD40.200	40mm	600 kPa / 87psi
LD45.050	45mm	550 kPa / 80psi
LD45.100	45mm	550 kPa / 80psi
LD45.200	45mm	550 kPa / 80psi
LD50.025	50mm	500 kPa / 72psi
LD50.050	50mm	500 kPa / 72psi
LD50.100	50mm	500 kPa / 72psi
LD50.200	50mm	500 kPa / 72psi



6 Metre Lengths - (10 per bundle)

RXP Code	Nominal Bore	Length (metres)	Pressure Rating (Maximum Working Pressure)
LD20.006.10	20mm	10 x 6metres	900 kPa / 130psi
LD25.006.10	25mm	10 x 6metres	800 kPa / 115psi

POLYTHENE PIPE

K.Pipe Low Density Polythene Pipe

- Designed specifically for K-Line® Irrigation.
- Tough and durable for vigorous shifting of K-Line®.
- Not about pressure rating but about performance.
- 1 metre spacings on pipe for easy installation.
- Fits specialist RXP K-Pipe fittings 32mm to 50mm (1 ¼” to 2”).
- Fits RXP Low Density fitting 32mm to 50mm (1 ¼” to 2”).
- AG camlocks used for 63mm K.Pipe connections.
- The three stripes helps to ensure pipe is not twisted before installation.
- Easy to work with and user friendly.

RXP Code	Nominal Bore	Pressure Rating (Maximum Working Pressure)
K.PIPE32.100	32mm	650 kPa / 94psi
K.PIPE32.200	32mm	650 kPa / 94psi
K.PIPE40.100	40mm	600 kPa / 87psi
K.PIPE40.120	40mm	600 kPa / 87psi
K.PIPE40.200	40mm	600 kPa / 87psi
K.PIPE45.100	45mm	550 kPa / 80psi
K.PIPE45.120	45mm	550 kPa / 80psi
K.PIPE45.200	45mm	550 kPa / 80psi
K.PIPE63.100	63mm	500 kPa / 72psi
K.PIPE63.040C	63mm	500 kPa / 72psi
K.PIPE63.050C	63mm	500 kPa / 72psi
K.PIPE63.100C	63mm	500 kPa / 72psi

Camlocks are AGE5163 and AGC5163



POLYTHENE PIPE

Medium Density (Stockline MDOD) Polythene Pipe

- Manufactured dimensionally to AS/NZS 4130.
- Made from tough medium density polyethylene.
- Suitable for use with bloat remedies.
- Pressure ratings stipulated are recommended maximum working pressure at 20°C.
- Maintains a consistent pressure rating across a range of pipe diameters.
- Lightweight, flexible and strong, withstanding tough rural pipe laying.
- Clear identification on all coils.
- UV stable.
- Suitable for a wide range of fittings - Metric fittings, Electrofusion, and camlocks.
- Special pricing may be given on larger quantities over 2000 metres of individual pipe size groups.

6.3 Bar -94 psi (SDR21), 8 Bar - 120 psi (SDR17)

RXP Code	Size External Dimension	Pressure Rating (Maximum Working Pressure)
MD25*08B	25mm	8 Bar
MD32*08B	32mm	8 Bar
MD40*06B	40mm	6.3 Bar
MD50*06B	50mm	6.3 Bar
MD63*06B	63mm	6.3 Bar
MD75*06B	75mm	6.3 Bar
MD90*06B	90mm	6.3 Bar



- 20mm - 63mm coils stocked in 25m, 50m, 100m and 200m lengths.
- 75mm - 110mm coils stocked in 25m, 50m and 100m lengths.

8 Bar - 120 psi (SDR17)

MD63*08B	63mm	8 Bar
MD75*08B	75mm	8 Bar
MD90*08B	90mm	8 Bar
MD110*08B	110mm	8 Bar



- Coils stocked in 50m and 100m lengths.

9 Bar - 130 psi (SDR15.3)

MD20*09B	20mm	9 Bar
MD25*09B	25mm	9 Bar
MD32*09B	32mm	9 Bar
MD40*09B	40mm	9 Bar
MD50*09B	50mm	9 Bar
MD63*09B	63mm	9 Bar
MD75*09B	75mm	9 Bar
MD90*09B	90mm	9 Bar
MD110*09B	110mm	9 Bar



- 20mm - 63mm coils stocked in 25m, 50m, 100m and 200m lengths.
- 75mm - 110mm coils stocked in 25m, 50m and 100m lengths.

POLYTHENE PIPE

MDID Black Density Polythene Pipe

- Superior flow over low density.
- 15-50mm MDID - design safety factor to the same as AS/NZS 4130 (metric).
- Equivalent to Imperial High Density Pipe.
- Consistent pressure ratings over sizes.
- MDID is suitable for use with Bloat Remedies.
- Pipe manufactured to RXP Company Standards.
- Scratch resistant.
- Suitable for RXP Compression fittings and tapping saddles.
- Pressure ratings stipulated are recommended maximum working pressure at 20°C.
- Measured as nominal bore (internal diameter measurements).
- Special prices may be given on larger quantities over 2000 metres of individual pipe size groups.

MDID BLACK "CLASS C" - 9 Bar - 130 psi (SDR15.3)

RXP Code	Size Nominal Bore	Pressure Rating (Maximum Working Pressure)
MDID15*09B	15mm	9 Bar
MDID20*09B	20mm	9 Bar
MDID25*09B	25mm	9 Bar
MDID32*09B	32mm	9 Bar
MDID40*09B	40mm	9 Bar
MDID50*09B	50mm	9 Bar



MDID BLACK "CLASS D" - 12.5 Bar - 174 psi (SDR11)

MDID15*12B	15mm	12 Bar
MDID20*12B	20mm	12 Bar
MDID25*12B	25mm	12 Bar
MDID32*12B	32mm	12 Bar
MDID40*12B	40mm	12 Bar
MDID50*12B	50mm	12 Bar

- Coils stocked in 25m, 50m and 100m lengths.

POLYTHENE PIPE

MDOD Blue Polythene Pipe

- Manufactured dimensionally to AS/NZS 4130.
- Made from tough blue medium density polyethylene.
- Suitable for below ground use (Local Authority Water Mains).
- Pressure ratings stipulated are recommended maximum working pressure at 20°C.
- Clear identification on all coils.
- Special pricing may be given on larger quantities over 2000 metres of individual pipe size groups.

MDOD Blue - 12.5 Bar - 174psi (SDR11)

RXP Code	Size External Dimension	Pressure Rating (Maximum Working Pressure)
MDBL20*12B	20mm	12 Bar
MDBL25*12B	25mm	12 Bar
MDBL32*12B	32mm	12 Bar
MDBL40*12B	40mm	12 Bar
MDBL50*12B	50mm	12 Bar
MDBL63*12B	63mm	12 Bar



- 20mm - 50mm coils stocked in 25m, 50m, 100m and 200m lengths.
- 63mm coils stocked in 25m, 50m and 100m lengths.

MDOD Cream Striped Polythene Pipe

PE100CS.40*16B	40mm	16 Bar
PE100CS.50*16B	50mm	16 Bar
PE100CS.63*16B	63mm	16 Bar

- 75mm, 90mm, 110mm and 125mm also available. POA (minimum order quantities apply)

PE Electrical Duct - Orange

MDED32*08B.100	32mm
MDED50*08B.100	50mm
MDED63*08B.100	63mm
MDED75*08B.100	75mm
MDED90*08B.100	90mm
MDED110*08B.100	110mm
MDED125*08B.100	125mm
PE100OJ.110*10B.100	110mm
PE100OJ.125.SDR17.100	125mm
PE100OJ.140*10B.100	140mm



PE Telecommunication Duct - Green

MDTD32*08B.100	32mm
MDTD50*08B.100	50mm
MDTD63*08B.100	63mm
MDTD75*08B.100	75mm
MDTD90*08B.100	90mm
MDTD110*08B.100	110mm
MDTD125*08B.100	125mm



POLYTHENE PIPE

MDOD Black - PE100 Polythene Pipe

- Manufactured RXP Company Standards based on dimensional specifications from AS/NZS 4130.
- Pressure ratings stipulated are recommended maximum working pressure at 20°C.
- PE100 Pipe is suitable for use with Bloat remedies.
- Suitable for a wide range of fittings - Metric fittings and Electrofusion.
- Special pricing may be given on larger quantities over 2000 metres of individual pipe size groups.

MDOD PE100 - 8 Bar - 120psi (SDR21)

RXP Code	Size External Dimension	Pressure Rating (Maximum Working Pressure)
PE100.40*08B	40mm	8 Bar
PE100.50*08B	50mm	8 Bar
PE100.63*08B	63mm	8 Bar
PE100.75*08B	75mm	8 Bar
PE100.90*08B	90mm	8 Bar

MDOD PE100 - 10 Bar - 145psi (SDR17)

PE100.32*10B	32mm	10 Bar
PE100.40*10B	40mm	10 Bar
PE100.50*10B	50mm	10 Bar
PE100.63*10B	63mm	10 Bar
PE100.75*10B	75mm	10 Bar
PE100.90*10B	90mm	10 Bar
PE100.110*10B	110mm	10 Bar

MDOD PE100 - 12.5 Bar - 174psi (SDR13.6)

PE100.32*12B	32mm	12.5 Bar
PE100.40*12B	40mm	12.5 Bar
PE100.50*12B	50mm	12.5 Bar
PE100.63*12B	63mm	12.5 Bar
PE100.75*12B	75mm	12.5 Bar
PE100.90*12B	90mm	12.5 Bar
PE100.110*12B	110mm	12.5 Bar

MDOD PE100 - 16 Bar - 238psi (SDR11)

PE100.32*16B	32mm	16 Bar
PE100.40*16B	40mm	16 Bar
PE100.50*16B	50mm	16 Bar
PE100.63*16B	63mm	16 Bar
PE100.75*16B	75mm	16 Bar
PE100.90*16B	90mm	16 Bar
PE100.110*16B	110mm	16 Bar

- 32mm - 50mm coils stocked in 50m, 100m and 200m lengths.
- 63mm - 110mm coils stocked in 100m lengths only.

POLYTHENE PIPE

Pipe Tools and Accessories

RXP Code	Description
	Pipe Tools
RXPC	Pipe Cutters - cuts pipe up to 50mm OD
PCT	Pipe Chamfering Tool - to fit pipe up to 63mm OD
PHPS	Metric Fitting Spanner 50 to 110mm



	Ceelon Thread
CT	Ceelon Thread Seal Tape 12mm (Red Surround)
CT.18	Ceelon Thread Seal Tape 18mm (Blue Surround)
CT.24	Ceelon Thread Seal Tape 24mm (Green Surround)



Produced from pure PTFE. Flexible, and easy to work with thread seal tape is used for providing a water tight seal on threaded joints. Will not dry out, harden or crack with age.

Joint Primer

RX.PRIMER.4000	Joint Primer 4 Litre Tin
RX.PRIMER.500	Joint Primer 500ml Pot

High strength PVC priming fluid used to clean PVC pressure pipe prior to gluing on all classes of PVC pressure pipe and fittings. Recommended for sizes up to 150mm. Easy to apply and coloured pink for quick identification joint has been primed prior to solventing.



RX.PRIMER.CL.500	Joint Primer Clear 500ml Pot
------------------	------------------------------

Easy to apply and in clear where non-staining is required for all visible joints.

Solvent Cement

RX.SOLVENT.125	Solvent Cement Gold 125ml Pot
RX.SOLVENT.250	Solvent Cement Gold 250ml Pot
RX.SOLVENT.500	Solvent Cement Gold 500ml Pot

Specifically formulated to bond together Drain, Waste & Vent (DWV) pipe, Storm Water and Pressure Pipes systems and helps to ensure a long-lasting, water tight joint is achieved.

Joint Lube

RX.LUBE.2000	Joint Lube 2kg
RX.LUBE.500	Joint Lube 500gm

Pipe lube should be used for every Rubber Ringed joint pipe. Applied around a clean rubber ring so the pipe is inserted easily and doesn't damage the ring.

