POLYTHENE PIPE

Technical Data

Conversions	kPa	psi	mH_2O
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

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

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

POLYTHENE PIPE

MDEF Effluent Pipe Dimensions and Pressure Ratings

Code Nominal Bore	Average Outside Diameter (mm	Average Wall Thickness (mm)	Max Working Pressure		Average Internal Diameter (mm)
			psi	kPa	
MDEF 57mm	57.30	3.50	116	800	50.30
MDEF 63mm	63.30	4.05	116	800	55.20
MDEF 75mm	75.35	4.80	116	800	65.75
MDEF 90mm	90.45	5.75	116	800	78.95
PE100 75mm	75.35	4.80	145	1000	65.75
PE100 90mm	90.45	5.75	145	1000	78.95
PE100 110mm	110.50	7.00	145	1000	96.50

Oasis Pipe Systems

MDPE Oasis Range - Code 300.xxx.ppp.len e.g. 300.32.9.100 is 300 series, 32mm, PN9 and 100m.

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		13.6	11	9	7.4
PE100		21	**19**	17	**13.6**	**11**	9

#Highlighted cells above = Products produced as standard in Oasis Pipe systems.

Medium Density Dimensions and Pressure Ratings - PE80/100

Size External Dimensions	Average OD (mm)	SDR 21 Average Wall Thickness (mm)	SDR 21 ID (mm)	SDR 19 Average Wall Thickness (mm)	SDR 19 ID (mm)	SDR 17 Average Wall Thickness (mm)	SDR 17 ID (mm)
20mm	20.15						
25mm	25.15			1.75	21.65	1.75	21.65
32mm	32.15	1.75 #	28.65	1.90	28.35	2.05	28.05
40mm	40.20	2.05	36.10	2.32	35.50	2.50	35.00
50mm	50.25	2.60	45.05	2.90	44.45	3.20	43.85
63mm	63.30	3.25	56.90	3.82	56.05	4.05	55.20
75mm	75.35	3.65	67.65	4.32	66.70	4.80	65.75
90mm	90.45	4.37	81.25	5.17	80.10	5.75	78.95
110mm	110.50			7.00	97.85	7.00	96.50

Size External Dimensions	Average OD (mm)	SDR 13.6 Average Wall Thickness (mm)	SDR 13.6 ID (mm)	SDR 11 Average Wall Thickness (mm)	SDR 11 ID (mm)	SDR 9 Average Wall Thickness (mm)	SDR 9 ID (mm)	SDR 7.4 Average Wall Thickness (mm)	SDR 7.4 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

#Highlighted cells above = Products produced as standard in Oasis Pipe systems.
*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
LAT13.050	13mm	15.3mm	50m	500/72
LAT13.100	**13mm**	**15.3mm**	**100m**	**500/72**
LAT13.200	13mm	15.3mm	200m	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
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
LAT25.050	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**
RXGT25.100	24.9mm	28.7mm	100m	500/72

Special prices may be given 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	3mm	5mm
PT9/13.100	9mm ID wall x 100 metres coil Sprinkler Tube PE	9mm	13mm
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 1½”).
- Fits RXP Low Density fittings 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
LD40.050	40mm	600 kPa / 87psi
LD40.100	40mm	600 kPa / 87psi
LD40.200	40mm	600 kPa / 87psi
LD50.050	50mm	500 kPa / 72psi
LD50.100	50mm	500 kPa / 72psi
LD50.200	50mm	500 kPa / 72psi
	6 metre lengths (10 per bundle)	
LD20.006.10	20mm	900 kPa / 130psi

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 (1¼" to 2").
- Fits RXP Low Density fittings 32mm to 50mm (1¼" 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.PIPE40.200	40mm	600 kPa / 87psi
K.PIPE45.100	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

Effluent Pipe

- Designed specifically for effluent use.
- Suitable for AG camlocks used for 50, 63, 75 & 90mm connections.
- Easy to work with and user friendly.
- SDR 17 PE80

RXP Code	Nominal Bore	Pressure Rating (Maximum Working Pressure)
MDEF57.50	57mm	800 kPa / 116psi
MDEF57.100	57mm	800 kPa / 116psi
MDEF63.50	63mm	800 kPa / 116psi
MDEF63.100	63mm	800 kPa / 116psi
MDEF75.50	75mm	800 kPa / 116psi
MDEF75.100	75mm	800 kPa / 116psi
MDEF90.50	90mm	800 kPa / 116psi
MDEF90.100	90mm	800 kPa / 116psi



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.

RXP Code	Size Nominal Bore	Pressure Rating (Maximum Working Pressure)
MDID BLACK CLASS D - 12 Bar - 174psi (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



Some coils available in 50m lengths.

POLYTHENE PIPE

Medium Density Oasis™ 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.

RXP Code	Size External Dimension / Length	Pressure Rating (Maximum Working Pressure)
Oasis PE80 - 6.3Bar - 91psi (SDR21)		
300.32.6.100	32mm x 100m	6.3 Bar
300.32.6.200	32mm x 200m	6.3 Bar
300.40.6.50	40mm x 50m	6.3 Bar
300.40.6.100	40mm x 100m	6.3 Bar
300.40.6.200	40mm x 200m	6.3 Bar
300.50.6.50	50mm x 50m	6.3 Bar
300.50.6.100	50mm x 100m	6.3 Bar
300.50.6.200	50mm x 200m	6.3 Bar
300.63.6.50	63mm x 50m	6.3 Bar
300.63.6.100	63mm x 100m	6.3 Bar
300.63.6.200	63mm x 200m	6.3 Bar
300.75.6.100	75mm x 100m	6.3 Bar



Oasis PE100 -9Bar - 130psi (SDR19)		
300.25.9.50	25mm x 50m	9 Bar
300.25.9.100	25mm x 100m	9 Bar
300.25.9.200	25mm x 200m	9 Bar
300.32.9.50	32mm x 50m	9 Bar
300.32.9.100	32mm x 100m	9 Bar
300.32.9.200	32mm x 200m	9 Bar
300.40.9.50	40mm x 50m	9 Bar
300.40.9.100	40mm x 100m	9 Bar
300.40.9.200	40mm x 200m	9 Bar
300.50.9.50	50mm x 50m	9 Bar
300.50.9.100	50mm x 100m	9 Bar
300.50.9.200	50mm x 200m	9 Bar
300.63.9.50	63mm x 50m	9 Bar
300.63.9.100	63mm x 100m	9 Bar
300.63.9.200	63mm x 200m	9 Bar
300.75.9.100	75mm x 100m	9 Bar
300.90.9.50	90mm x 50m	9 Bar
300.90.9.100	90mm x 100m	9 Bar
300.110.9.100	110mm x 100m	9 Bar



POLYTHENE PIPE

Medium Density Oasis™ Polythene Pipe

- Manufactured to AS/NZS 4130. Black.
- 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.

RXP Code	Size External Dimension / Length	Pressure Rating (Maximum Working Pressure)
Oasis PE100 - 12Bar - 174psi (SDR13.6)		
300.25.12.50	25mm x 50m	12.5 Bar
300.25.12.100	25mm x 100m	12.5 Bar
300.25.12.200	25mm x 200m	12.5 Bar
300.32.12.50	32mm x 50m	12.5 Bar
300.32.12.100	32mm x 100m	12.5 Bar
300.32.12.200	32mm x 200m	12.5 Bar
300.40.12.50	40mm x 50m	12.5 Bar
300.40.12.100	40mm x 100m	12.5 Bar
300.40.12.200	40mm x 200m	12.5 Bar
300.50.12.50	50mm x 50m	12.5 Bar
300.50.12.100	50mm x 100m	12.5 Bar
300.50.12.200	50mm x 200m	12.5 Bar
300.63.12.50	63mm x 50m	12.5 Bar
300.63.12.100	63mm x 100m	12.5 Bar
300.63.12.200	63mm x 200m	12.5 Bar
300.75.12.100	75mm x 100m	12.5 Bar
300.90.12.100	90mm x 100m	12.5 Bar
300.110.12.100	110mm x 100m	12.5 Bar



32mm - 63mm coils stocked in 50m, 100m and 200m lengths.
75mm-110mm coils stocked in 50m and 100m lengths only.

POLYTHENE PIPE

Medium Density Oasis™ Polythene Pipe

- Manufactured to AS/NZS 4130. Black.
- 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.

RXP Code	Size External Dimension / Length	Pressure Rating (Maximum Working Pressure)
Oasis PE100 - 16Bar - 238psi (SDR11)		
300.25.16.100	25mm x 100m	16 Bar
300.32.16.100	32mm x 100m	16 Bar
300.40.16.100	40mm x 100m	16 Bar
300.50.16.100	50mm x 100m	16 Bar
300.63.16.100	63mm x 100m	16 Bar
300.75.16.100	75mm x 100m	16 Bar
300.90.16.100	90mm x 100m	16 Bar
300.110.16.100	110mm x 100m	16 Bar



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.

ACCESORIES

PVC Primer, Solvent, Lubricant

RXP Code	Description
	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.