

PVC PRESSURE SYSTEM

PVC-O



PDRAL16250

DN250 x 6m PN16 Apollo Purple Series 2 PVC-O Pipe Rieber RRJ

APPLICATION Used for above or below ground applications to convey recycled water in pressure applications

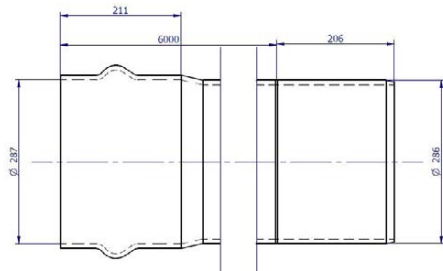
FEATURES

- Australian Made
- BEP PVC - Manufactured from Best Environmental Practice PVC
- Installation Economics
- Operation Efficiencies
- Corrosion Resistant
- Light weight
- Excellent Toughness and Ductility
- Large Internal Diameter and Smooth bore

TECHNICAL DATA

PRODUCT PROPERTIES

Primary Material	PVC-O
Colour	Purple
Joint Type	RRJ
Rubber Ring Material	EPDM
Allowable Operation Temperature - Degrees	50°C
Allowable Operating Pressure - 20°C	1600kPa
Average # of Joints per Litre – Iplex Lubricant	12
Unprotected UV Exposure (years)	2 Years
Maximum Diametric Deflection - 50 Years	7.50%
Minimum Radius of Curvature	75m
Socket Deflection	1°



PRODUCT DIMENSIONS

Category	Length	Socket Depth	211mm
Rating	PN16	Max Socket Nominal OD	336.4mm
Length	6m	Weight	65kg
Nominal	250mm	Crate Qty	8
ID	270.0mm	Crate Weight	504kg
Wall Thickness	7.9mm		

ENVIRONMENTAL CREDENTIALS AND STANDARDS

Environmental Accreditation	Best Environmental PVC - PVC Certificate No. BEP-PVC 0037
Product Standard	AS/NZS 441 "Orientated PVC (PVC-O) Pipes for Pressure Applications"
Standards Mark Certification	SMKP20188
WSAA Appraisal	PA1612

MATERIAL PROPERTIES

MECHANICAL

Density Specific Gravity	1.47
Ultimate Tensile Strength	52MPa
Yield Strain	5.5%
Compressive Strength	66MPa
Tensile Modulus	4000MPa
Hardness Shore D	85
Poissons Ratio	0.38
Design Stress	28MPa
Ring Bending Modulus (3mins)	4000MPa
Ring Bending Modulus (50Yrs)	1800MPa

THERMAL

Coefficient of Thermal Expansion	$7 \times 10^{-5} / ^\circ\text{C}$
Thermal Conductivity	0.138W/m.K
Specific Heat	1047 J/kg/°C
Vicat Softening Temperature	>79°C
Flammability	Will not support combustion
Fire Index – Ignitability	2
Fire Index – Smoke Development	8
Fire Index – Spread of Flame	0
Fire Index – Heat Evolved	2

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