

# PVC PRESSURE SYSTEM

## PVC-O



### PDRAL12300

DN300 x 6m PN12.5 Apollo Purple Series 2 PVC-O Pipe Rieber RRJ

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

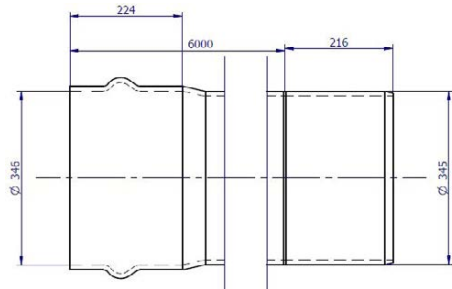
### FEATURES

- 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	1200KPa
Average # of Joints per Litre – Iplex Lubricant	10
Unprotected UV Exposure (years)	2 Years
Maximum Diametric Deflection - 50 Years	7.50%
Minimum Radius of Curvature	90m
Socket Deflection	1°



#### PRODUCT DIMENSIONS

Category	Length	Socket Depth	224mm
Rating	PN12.5	Max Socket Nominal OD	398.7mm
Length	6m	Weight	98kg
Nominal	300mm	Crate Qty	6
ID	325.9mm	Crate Weight	588kg
Wall Thickness	9.5mm		

### 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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