

PVC PRESSURE SYSTEM

PVC-M



PDHR16100

DN100 x 6m PN16 Blue Rhino Series 2 PVC-M Pipe Rieber RRJ

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

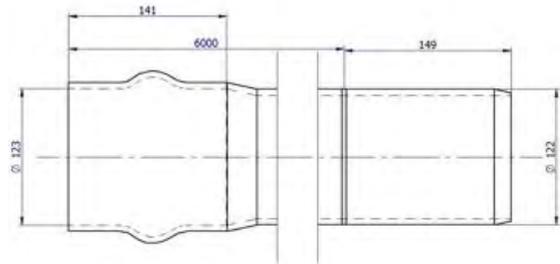
FEATURES

- Australian Made
- BEP PVC - Manufactured from Best Environmental Practice PVC
- Installation Economics
- Operation Efficiencies
- Corrosion Resistant
- Light weight
- Electrically non conductive

TECHNICAL DATA

PRODUCT PROPERTIES

Primary Material	PVC-M
Colour	Blue
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	42
Unprotected UV Exposure (years)	2 Years
Maximum Diametric Deflection - 50 Years	7.50%
Minimum Radius of Curvature	30m
Socket Deflection	1°



PRODUCT DIMENSIONS

Category	Length	Max Socket Nominal OD	121.9mm
Rating	PN16	Chamfer Detail	17mm
Length	6m	Witness Mark	154mm
Nominal	100mm	Weight	18.3kg
ID	110.3mm	Crate Qty	36
Wall Thickness	5.7mm	Crate Weight	658.80kg
Socket Depth	141.4mm		

ENVIRONMENTAL CREDENTIALS AND STANDARDS

Environmental Accreditation	Best Environmental PVC - PVC Certificate No. BEP-PVC 0037
Product Standard	AS/NZS 4765 "Modified PVC (PVC-M) Pipes for Pressure Applications"
Standards Mark Certification SMK02730.4, SMK02468.4, SMK02748	WSAA Appraisal - PA1612

MATERIAL PROPERTIES

MECHANICAL

Density Specific Gravity	1.47
Ultimate Tensile Strength	38MPa
Yield Strain	5.5%
Compressive Strength	48MPa
Tensile Modulus	3000MPa
Hardness Shore D	85
Poissons Ratio	0.38
Design Stress	17.5MPa
Ring Bending Modulus (3mins)	3000MPa
Ring Bending Modulus (50Yrs)	1200MPa

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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