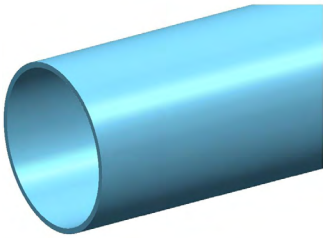
PVC PRESSURE SYSTEM

PVC-M



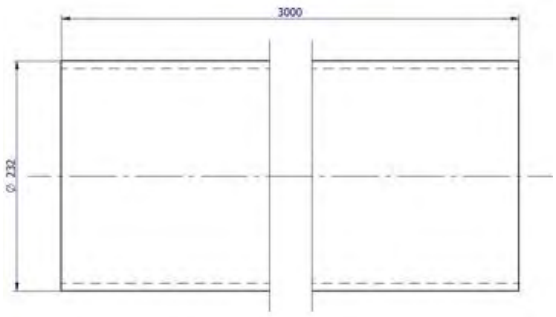
PDPR12200C

DN200 x 3m PN12.5 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	1200KPa
Average # of Joints per Litre – Iplex Lubricant	16
Unprotected UV Exposure (years)	2 Years
Maximum Diametric Deflection - 50 Years	7.50%
Minimum Radius of Curvature	60m
Socket Deflection	1°

PRODUCT DIMENSIONS

Category	Length
Rating	PN12.5
Length	6m
Nominal	200mm
ID	215.9mm
Wall Thickness	8.2mm
Socket Depth	185mm

Max Socket Nominal OD	232.3mm
Chamfer Detail	24mm
Witness Mark	203mm
Weight	25.5kg
Crate Qty	10
Crate Weight	255kg

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	$7x10^{-5}$/°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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AUSTRALIA'S PIPELINE SPECIALISTS EST. 1938