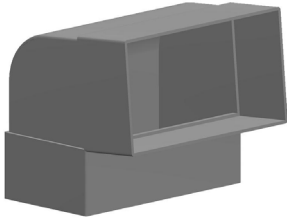# PVC NON PRESSURE SYSTEM

STORMWATER

R002105095 • DN100 x DN100 x DN50 x 95D Rainwater PVC-U Bend FF SWJ

APPLICATION Changes direction of a pipeline conveying rainwater or surface water by 95°

FEATURES

- Australian Made
- BEP PVC - Manufactured from Best Environmental Practice PVC
- Installation Economics
- Operation Efficiencies
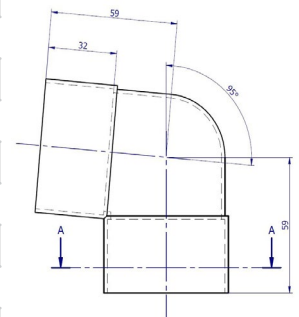- Corrosion Resistant
- Tree root intrusion resistance

TECHNICAL DATA

PRODUCT PROPERTIES

Primary Material	PVC
Colour	White
Joint Type	SWJ
Allowable Operation Temperature - Degrees	50
Average # of Joints per Litre – Iplex Solvent	40
Average Number of Joints per Litre - Iplex Primer	120
Unprotected UV Exposure (years)	2 Years

PRODUCT DIMENSIONS

Rating	SN2
Degree	95
UOM	EA
Nominal	100mm
ID	100mm
Wall Thickness	2.0mm
Weight	0.14kg
Carton Qty	70
Carton Weight (kg)	9.8kg

ENVIRONMENTAL CREDENTIALS AND STANDARDS

Environmental Accreditation	Best Environmental PVC - PVC Certificate No. BEP-PVC 0037
Product Standard	AS/NZS 1254 "PVC-U Pipes and Fittings for Stormwater and Surface Water Applications"

MATERIAL PROPERTIES

MECHANICAL

Density Specific Gravity	1.47
Ultimate Tensile Strength	52MPa
Yield Strain	5.5%
Compressive Strength	66MPa
Tensile Modulus	2750MPa
Hardness Shore D	85
Poissons Ratio	0.38
Ring Bending Modulus (3mins)	3200MPa
Ring Bending Modulus (50Yrs)	1400MPa

THERMAL

Coefficient of Thermal Expansion	$7 \times 10^{-5}/°C$
Thermal Conductivity	0.138W/m.K
Specific Heat	1047 J/kg/°C
Vicat Softening Temperature	75°C
Flammability	Will not support combustion
Fire Index – Ignitability	8
Fire Index – Smoke Development	8
Fire Index – Spread of Flame	0
Fire Index – Heat Evolved	1

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