

# PVC NON PRESSURE SYSTEM

## STORMWATER



### WPSO90 • DN90 x 6m SN2 Stormwater PVC-U Pipe SWJ

**APPLICATION** Used for above or below ground applications to convey rainwater or surface water.

### FEATURES

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

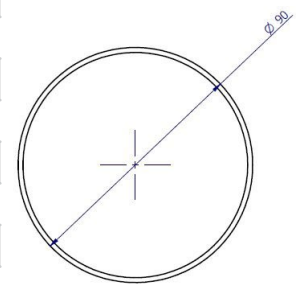
## TECHNICAL DATA

### PRODUCT PROPERTIES

Primary Material	PVC
Colour	White
Joint Type	SWJ
Allowable Operation Temperature - Degrees	50
Average # of Joints per Litre – Iplex Solvent	60
Average Number of Joints per Litre - Iplex Primer	180
Unprotected UV Exposure (years)	2 Years
Maximum Diametric Deflection -50yrs	7.5%

### PRODUCT DIMENSIONS

Rating	SN2
Length	6m
UOM	LE
Nominal	90mm
ID	86.2mm
Wall Thickness	1.9mm
Weight	4.37kg
Crate Qty	81
Crate Weight	353.97kg



### ENVIRONMENTAL CREDENTIALS AND STANDARDS

Environmental Accreditation	Best Environmental PVC - PVC Certificate No. BEP-PVC 0037   PVC Non Pressure Pipes EPD
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	$7 \times 10^{-5}/^{\circ}\text{C}$
Thermal Conductivity	0.138W/m.K
Specific Heat	1047 J/kg/ $^{\circ}\text{C}$
Vicat Softening Temperature	75 $^{\circ}\text{C}$
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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