

PVC NON PRESSURE SYSTEM

STORMWATER



WPSO90EH • DN90 X 6m SN4 Stormwater Extra Heavy 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

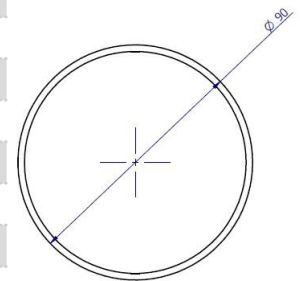
TECHNICAL DATA

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	SN4
Length	6m
UOM	LE
Nominal	90mm
ID	85mm
Wall Thickness	2.5mm
Weight	5.9kg
Crate Qty	81
Crate Weight	477.9kg



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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