PVC Non Pressure

D00210045

DN100 X 45D DWV PVC-U Bend FF SWJ



Application

Changes direction of a pipeline conveying non-pressure sewage and greywater by 45°

Features

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

Technical Data

Product Properties

Material	PVC
Colour	Grey
Approximate mass	0.26
Unprotected UV exposure	2 years yr

*For short term, intermittent exposure. Contact Iplex for further details

Product Dimensions

Nominal Size	100 mm
Angle (degrees)	45°

Packaging Information

Carton Quantity	32
Carton Weight	8.38kg

Jointing Details

Joint type	SWJ
Average Number of Joints per Litre - primer	78
Average Number of Joints per Litre - solvent	26
Cure Time for Solvent Weld Joints	24 hours

PVC Non Pressure

D00210045

Standards

Environmental Declarations and Standards

Product standard	AS/NZS 1260 'PVC-U pipes and fittings for drain, waste and vent applications'

Material Properties

Mechanical

Density 'Specific Gravity'	1.47
Tensile yield strain (50 mm/min)	5.5%
Tensile yield stress (50 mm/min)	2750MPa
Hardness shore D	85
Poissons ratio	0.38
Ring bending modulus (3 mins)	3200MPa
Apparent ring bending modulus (50 years)	1400MPa
Ultimate Tensile Strength	52MPa
Compressive Strength	66MPa

Thermal

Coefficient of thermal expansion	7×10^{-5}/°C
Thermal conductivity	0.138W/m.K
Specific heat	1047 J/kg/°C
Vicat softening temperature	75°C
Allowable Operating Temperature - Degrees	60°C

Fire resistance

Flammability	Will not support combustion
Ignitability - AS 1530*	8
Smoke Development - AS 1530*	8
Spread of flame - AS 1530*	0
Heat evolved - AS 1530*	1

*AWTA test report number 7 - 558788-CV

© Iplex Pipelines Australia Pty Limited 2026. Images are for illustration purposes only. All drawings and information contained within this document are the exclusive property of Iplex. Iplex reserves the right to change product specifications and other information without prior notification. Measurements provided are for reference purposes only. Information in this publication is given in good faith and no warranty is provided or is to be implied with respect to either the information or the product, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. Iplex_datasheet_D00210045_17Sep26