



DR0210045HD

DN100 X 45D HD SN8 DWV PVC-U Bend FF x2 RRJ

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

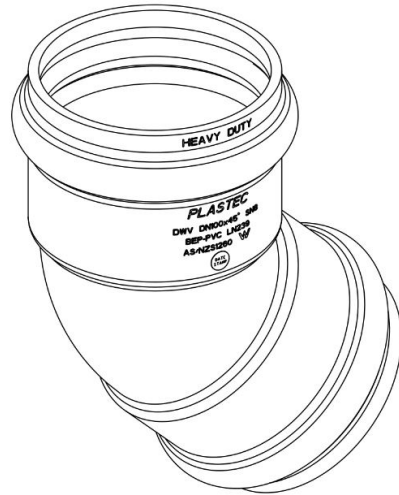
FEATURES

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

TECHNICAL DATA

PRODUCT PROPERTIES

Primary Material	PVC-U
Colour	Grey
Joint Type	RRJ
Allowable Operation Temperature - Degrees	60°C
Allowable Operating Pressure - 20°C	900kPa
Average # of Joints per Litre – Iplex Lubricant	42
Unprotected UV Exposure (years)	2 Years



PRODUCT DIMENSIONS

Category	Bend/Elbow	Degree	45
Rating	SN8	Weight	0.69kg
Nominal	100mm	Carton Qty	16

ENVIRONMENTAL CREDENTIALS AND STANDARDS

Environmental Accreditation	Best Environmental PVC - PVC Certificate No. BEP-PVC 0037
Product Standard	AS/NZS 1260 "PVC-U pipes and fittings for drain, waste and vent applications"
Watermark Certification 23900	WSAA Appraisal - PA1404

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/°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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