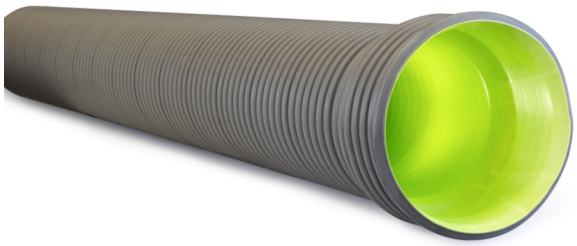
PP Drainage & Sewer Systems

GR20450C

SewerMax®+ PP Pipe SN20 450 x 3 m RRJ Grey with light green liner



Application

SewerMax+ pipe is ideal for gravity, industrial and trunk sewer networks, and is suitable for trenchless installation methods such as boring. It can also be used in rehabilitation projects as a structural liner solution.

Features

- Australian made and recyclable.
- Corrosion and abrasion resistant for long-term durability.
- Rubber Ring Joint (RRJ) designed to help resist leakage and tree root intrusion.
- Smooth bore design supports hydraulic efficiency.
- Lightweight for easier handling and installation.

Technical Data

Product Properties

Material	Polypropylene
Colour	Grey outer corrugated wall with light green inner liner
Nominal stiffness	SN20
Approximate mass	59.8 kg
Unprotected UV exposure	2 years yr
Additional information	Requires DN450 Rubber Ring Iplex Code: GERSEW450
End connection	RRJ
Rating	Non Pressure

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

Product Dimensions

Minimum effective length	3005 mm
Nominal size	450 mm
Mean pipe OD	513 mm
Mean pipe ID	447 mm
Min socket length	210 mm
Witness mark	5th Rib

Packaging Information

Crate quantity	2
Approximate crate mass	120 kg (60 kg per crate)

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Jointing Details

Joint type	RRJ
Rubber ring material	Styrene Butadiene Rubber (SBR)
Average number of joints per kg – lubricant	8
Average number of joints per Litre - lubricant	18
Maximum socket deflection	up to 2°

Standards

Environmental Declarations and Standards

Environmental declaration	Iplex BlackMAX® and SewerMAX® Polypropylene Pipes EPD®
Product standard	AS/NZS 5065 'Polyethylene and polypropylene pipes and fittings for drainage and sewerage applications'

Material Properties

Mechanical

Density 'specific gravity'	0.9
Tensile yield strain (50 mm/min)	0.06
Tensile modulus	31 MPa
Yield stress	28MPa
Hardness shore D	60
Poissons ratio	0.45
Ring bending modulus (3 mins)	1300 MPa
Apparent ring bending modulus (50 years)	342 MPa

Thermal

Coefficient of thermal expansion	15×10^{-5} / °C
Thermal conductivity	0.22 $W \cdot m^{-1} \cdot K^{-1}$
Specific heat	1920 J/kg/°C
Vicat softening temperature	95°C
Allowable operating temperature - degrees	Up to 50°C. Re-rating is applied for temperatures > 20°C

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Fire Resistance

Flammability	Flammable

*AWTA test report number 7-558788-CV

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