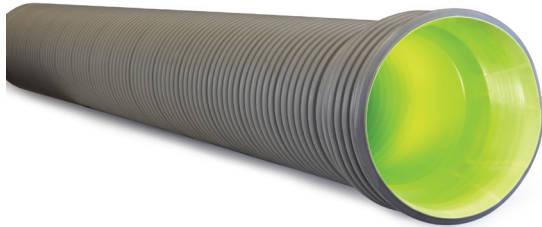


## PP Sewer Systems

**SewerMax+® GR20300C**
**DN300 x 3m SN20 SewerMax+ Pipe RRJ**

**Application**

Used to convey sewage in gravity sewer mains, deep trenching and boring applications

**Features**

- Australian made
- Lightweight and safer to install
- Operational efficiencies
- High performance rubber ring joint
- Resistant to root intrusion
- Smooth internal bore
- Recyclable

**Technical Data**
**Product Properties**

Material	Polypropylene (PP-B)
Colour	Grey with green internal liner
Nominal stiffness	SN20
Nominal weight	11kg/m
Maximum allowable operation temperature <sup>1</sup>	50°C
Unprotected UV exposure (years)	2 years

**Product Dimensions**

Minimum effective length	3000mm
Mean Pipe OD	344mm
Mean Pipe ID	297mm
Min socket length	147mm
Socket OD (REF)	403mm
Profile pitch	33mm
Witness mark	5th Rib

**Crate**

Crate quantity <sup>2</sup>	6
Approximate crate mass	205kg

<sup>1</sup>For short term, intermittent exposure. Contact Iplex for further details

<sup>2</sup>Pack configuration 3 pipes across by 2 high.

## PP Sewer Systems

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**Pipe Joint Details**

Pipe spigot and socket joint with rubber ring seal.

Iplex rubber ring code	GERSEW300
Joint type	RRJ
Rubber ring material	SBR
Average number of joints per kg – lubricant	13
Minimum radius of pipe curvature	86m
Maximum socket deflection	2°

**Standards**
**Environmental Declarations and Standards**

Environmental declaration	Environmental Product Declaration (EPD) S-P-00714
Product standard	AS/NZS 5065 "Polyethylene and polypropylene pipes & fittings for drainage & sewerage applications"
Quality standard	Quality Management System ISO9001 Certificate No QEC0037
Structural design and installation standard	AS/NZS 2566.1 "Buried flexible pipelines - Part 1, Structural design" AS/NZS 2566.2 "Buried flexible pipelines - Part 2, Installation" AS/NZS 2033 "Design and Installation of Polyolefin pipe systems"
Product certification	WaterMARK WMKA20603 and StandardsMark SMKP20603

**Material Properties**
**Mechanical**

Density 'Specific Gravity'	0.9
Tensile yield strain (50mm/min)	8%
Ring bending stiffness	≥10000 N/m/m
Tensile yield stress (50mm/min)	31 MPa
Creep ratio	3
Hardness shore D	60
Poissons ratio	0.45
Min ring flexibility <sup>1</sup>	30%
Ring bending modulus (3mins)	1300 MPa
Apparent ring bending modulus (50 years)	342 MPa

<sup>1</sup>Ring flexibility is the minimum deflection required without buckling, cracking or permanent deformation.

PP Sewer Systems

**SewerMax+® GR20300C****DN300 x 3m SN20 SewerMax+ Pipe RRJ****Thermal**

Coefficient of thermal expansion	15x10 <sup>-5</sup> /°C
Thermal conductivity	0.22 W/m.K
Specific heat	1700 J/kg/°C
Vicat softening temperature	157°C