

PP Stormwater Systems

**BlackMax® GR8900**

**DN900 x 6m SN8 BlackMax Pipe RRJ**



**Application**

Used to convey rainwater or surface water. Suitable for stormwater drainage, road culverts, low head irrigation and stormwater retention.

**Features**

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

**Technical Data**

**Product Properties**

Material	Polypropylene (PP-B)
Colour	Black with yellow internal liner
Nominal stiffness	SN8
Approximate mass	234kg/length
Maximum allowable operation temperature*	50°C
Unprotected UV exposure (years)	2 years

**Product Dimensions**

Minimum effective length	6000mm
Mean Pipe OD	1010mm
Mean Pipe ID	877mm
Min socket length	432mm
Socket OD (REF)	1072mm
Profile pitch	100mm
Witness mark	5th Rib

**Crate**

Crate quantity*	2
Approximate crate mass	515kg

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

\*Pack configuration 2 pipes across by 1 high.

## PP Stormwater Systems

**BlackMax® GR8900**
**DN900 x 6m SN8 BlackMax Pipe RRJ**
**Pipe Joint Details**

Pipe spigot and socket joint with rubber ring seal.

Iplex rubber ring code	GERSEW900
Joint type	RRJ
Rubber ring material	SBR
Average number of joints per kg – lubricant	3
Minimum radius of pipe curvature	86mm
Maximum socket deflection	2°

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

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 WMKT21641 and StandardsMark SMKP21641

**Material Properties**
**Mechanical**

Density 'Specific Gravity'	0.9
Tensile yield strain (50mm/min)	8%
Ring bending stiffness	≥8000 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

**BlackMax<sup>®</sup> GR8900****DN900 x 6m SN8 BlackMax 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