

# Plastream® Composite Pipe Data Sheet

Nominal Diameter ID (mm)	Nominal Diameter OD (mm)	Initial Stiffness for Design (N/m/m)	Mass / 6.0m pipe (kg)	Pipes per standard length semi-load		Joint Type	Max. Installed Angular Deflection at Joint
				Uncrated	Crated		
<b>SN8+ RANGE</b>							
225	270	>10000	26	126	96	RGJ	9.5°
300	345	>8000	41	84	84	RGJ	8.8°
375	420	>8000	60	60	40	RGJ	7.0°
450	495	>8000	87	40	32	RGJ	5.8°
525	570	>8000	101	24	-	RGJ	5.0°
600	665	>8000	146	18	-	RGJ	4.4°
<b>STANDARD RANGE</b>							
300	345	5200	34	84	84	RGJ	8.8°
375	420	3900	42	60	40	RGJ	7.0°
450	495	3000	53	40	32	RGJ	5.8°
525	570	3000	71	24	-	RGJ	5.0°
600	645	2600	81	18	-	RGJ	4.4°
675	720	2600	109	18	-	RGJ	4.0°
750	795	2250	121	12	-	RGJ	3.6°
825	870	2250	159	8	-	RGJ	3.2°
900	945	2250	174	8	-	RGJ	3.0°
1050	1115	2250	254	8	-	WELDED	2.0°
1200	1265	2250	290	8	-	WELDED	2.0°
1350	1415	2250	400	2	-	WELDED	2.0°
1500	1565	2050	431	2	-	WELDED	2.0°
1650	1735	2050	480	2	-	WELDED	2.0°
1800	1885	1800	688	2	-	WELDED	2.0°
1950	2035	1800	745	2	-	WELDED	2.0°
2250	2335	1800	859	2	-	WELDED	2.0°

- **PLASTREAM® PIPE IS FOR NON-PRESSURE APPLICATIONS ONLY.** STANDARD PIPE LENGTH = 6.0m. NON-STANDARD LENGTHS ALSO AVAILABLE.
- AS PER AS/NZS 2566.1 (BURIED FLEXIBLE PIPELINES – PART 1 : DESIGN), ALL PLASTIC PIPES SOLD IN AUSTRALIA HAVE A 50 YEAR DESIGN LIFE. ROCLA PLASTREAM® PRODUCTS ARE DESIGNED IN ACCORDANCE WITH AS/NZS 2566.1
- ROCLA ADOPTS AN ALLOWABLE LONG TERM DEFLECTION OF 5% FOR PIPE.
- INITIAL STIFFNESS DETERMINED IN ACCORDANCE WITH AS/NZS 2566.1 AND THE PROCEDURE OUTLINED IN ISO 9969.
- POLYETHYLENE MATERIALS USED ARE IN ACCORDANCE WITH AS 5065. STEEL MATERIALS USED ARE IN ACCORDANCE WITH AS/NZS 1595. PRODUCT MANUFACTURE IS IN ACCORDANCE WITH THE ROCLA ISO9001 QMS.
- BUCKLING – STEEL REINFORCED PLASTIC COMPOSITE PIPE IS LESS SUSCEPTIBLE TO BUCKLING THAN SIMPLE PLASTIC PIPE DUE TO THE HIGH STRENGTH STEEL COMPONENT. ROCLA ALLOWS A FACTOR OF SAFETY OF 2.5 FOR BUCKLING.
- VALUES QUOTED IN THIS DOCUMENT RELATE TO PLASTREAM® PIPE ONLY. ROCLA PLASTREAM® TANKS HAVE ADDITIONAL SERVICEABILITY REQUIREMENTS. CONTACT ROCLA ([solutions@rocla.com.au](mailto:solutions@rocla.com.au)) FOR ALL PLASTREAM® TANK ENQUIRIES.
- ALL PLASTREAM® PRODUCTS MUST BE INSTALLED IN ACCORDANCE WITH AS/NZS 2566.2 . PRODUCT STORAGE, LIFTING & HANDLING SHOULD ALWAYS BE IN ACCORDANCE WITH ROCLA LIFTING, HANDLING & INSTALLATION GUIDES.
- RGJ JOINT (DN225-900) IS A ‘SILT-TIGHT’ RUBBER GASKET JOINT. GASKETS ARE SUPPLIED WITH PIPES AND MUST BE USED.
- FOR FURTHER INFORMATION VISIT [ROCLA.COM.AU](http://ROCLA.COM.AU) or contact Rocla at : [solutions@rocla.com.au](mailto:solutions@rocla.com.au)

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