



19-2880100-1

# Testing of 100mm Diameter SN20 Perforated Plastic Pipe

On behalf of

Cromford Pipe

18<sup>th</sup> of April 2019



**BUREAU  
VERITAS**

**Move Forward with Confidence**

Cromford Pipe  
Lot 1 Douglas Road  
Moss Vale NSW 2577

Bureau Veritas Asset Integrity and Reliability Services Pty Ltd  
ABN 86 000 928 816  
22A Taminga Street  
Regency Park SA 5010 Australia

**ATTENTION:**

Mr. Terry Hammerton

**CLIENT REFERENCE:**

PO: 000998

**WORK REQUESTED:**

Carry out performance testing on supplied 100mm pipe for certification to AS 2439.1-2007, AS/NZS 1462.22 & RMS QA 3552

See pages 3 and 4 for the test results

**TESTING OFFICER(s):**

Paul Hosking & Enrique Laurente

**REVIEWED/CERTIFIED BY:**

Paul Hosking and Monty Luke



Accredited for compliance with ISO/IEC 17025.- Testing

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards.

**Accreditation No. 1267**

**AUTHORISED  
SIGNATORY**

Bureau Veritas

Name	PAUL HOSKING	Date	18-04-2019
Reviewed	MONTY LUKE		

## **TEST RESULTS**

**Product Code/Test Specification:** AS 2439.1: 2007 AS/NZS 1462.22 & RMS QA 3552  
**Pipe Type / Classification:** SN20 (100mm diameter) Plastic Pipe  
**Pipe Colour:** White

<b>Test Results AS 2439.1:2007</b>				
<b>Clause</b>	<b>Test</b>	<b>Result</b>		<b>Compliance</b>
2.4.1	Dimensions (Diameter)	Outside Diameter (mm)	99.73	<b>PASS</b>
		Inside Diameter (mm)	84.50	-
2.4.2	Length	Customer supplied samples in ~20m length Standard lengths for Type 1 pipe (as per standard) are 6, 20, 50, 100, 150 or 200m		<b>PASS</b>
5.2	Bending	No splitting or cracking of the pipe was noted.		<b>PASS</b>
5.3	Straightening	No splitting or cracking of the pipe was noted.		<b>PASS</b>
5.4	High Temperature Impact Resistance	No splitting, cracking or significant indentation was noted.		<b>PASS</b>
5.5	Low Temperature Impact Resistance	No splitting, cracking or significant indentation was noted.		<b>PASS</b>
5.9	Joint Separation	No separation of either pipe from coupling		<b>PASS</b>
5.6	Elongation	<b>Test</b>	<b>Elongation (%)</b>	<b>PASS</b>
		1	0.4	
		2	0.6	
		3	0.3	
		<b>Average</b>	0.4	

### ***Compliance:***

The supplied sample complies with the testing requirements for the nominated product code(s).

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## TEST RESULTS

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Test Results AS 2439.1:2007 & AS/NZS 1462.22					
Clause	Test	Result			Compliance
5.7 (11mm/min)	Pipe Stiffness	Test	Pipe Stiffness (N/m.m)		PASS
				At 5% deflection	
		1	22987	22510	
		2	22941	22502	
		3	23284	22494	
	<b>Average</b>	23071	22502		

Test Results RMS QA 3552					
Procedure	Test	Result			Compliance
5.2	Physical Properties T1505	Average Length to Width ratio of slots L:W		5.75	-
		Average area of slots per metre length of pipe (mm <sup>2</sup> per metre length)		3105	
<b>Procedure</b>	<b>Test</b>	<b>Result</b> (lowest values of all tests)			
5.1 Method B (11mm/min)	Stiffness Properties T1506	Pipe Stiffness (N/m/m)			-
		<b>Test #</b>	<b>At 5% deflection</b>	<b>At 10% deflection</b>	
		2 & 3	22941	22494	

**Compliance:**

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