



19-2880100-2

Testing of 160mm Diameter SN20 Perforated Plastic Pipe

On behalf of

Cromford Pipe

18th 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 160mm 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 (160mm diameter) Plastic Pipe
Pipe Colour: White

Test Results AS 2439.1:2007				
Clause	Test	Result		Compliance
2.4.1	Dimension	Inside Diameter (mm)	140.52	-
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		PASS
5.2	Bending	No splitting or cracking of the pipe was noted.		PASS
5.3	Straightening	No splitting or cracking of the pipe was noted.		PASS
5.4	High Temperature Impact Resistance	No splitting, cracking or significant indentation was noted.		PASS
5.5	Low Temperature Impact Resistance	No splitting, cracking or significant indentation was noted.		PASS
5.9	Joint Separation	No separation of either pipe from coupling		PASS
5.6	Elongation	Test	Elongation (%)	PASS
		1	0.8	
		2	0.5	
		3	0.6	
		Average	0.6	

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	At 10% deflection	
		1	33948	28810	
		2	34295	28771	
		3	34830	28974	
Average	34357	28852			

Test Results RMS QA 3552					
Procedure	Test	Result			Compliance
5.2	Physical Properties T1505	Average Length to Width ratio of slots L:W	6.6		-
		Average area of slots per metre length of pipe (mm ² per metre length)	2911		
Procedure	Test	Result (lowest values of all tests)			-
5.1 Method B (11mm/min)	Stiffness Properties T1506	Pipe Stiffness (N/m/m)			
		Test #	At 5% deflection	At 10% deflection	
		1 & 2	33948	28771	

Compliance:

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