



AUSTRALIAN NATIONAL TESTING  
LABORATORY PTY. LTD.

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# PEX-AI-PEX Pipe Pressure Test According to AS 4176

## Test Report # 3022.11

Customer Name: Multec Pty Ltd.

Address: 35 Rose Street, Richmond 3121, VIC

Date: 11.02.2010

Signed:

A handwritten signature in black ink, appearing to read 'J. Profke', is displayed within a light gray rectangular box.

Jeff Profke

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Australian National Testing Laboratories Pty Ltd.  
Brisbane, Australia.

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## 1 Introduction

Australian National Testing Laboratory (ANTL) was commissioned by Multec Pty Ltd to carry out testing on the PEX-AL-PEX pipe as specified in:

- (1) AS 4176 Polyethylene/aluminium and cross linked polyethylene/aluminium marco-composite pipe systems for pressure applications.

## 2 Product Description

Details of the two sample valves are listed below.

### ***2.1 Part 1 Description***

Name of Manufacturer: Mingshi Pty Ltd

Models Number: **25mm Pex/Al/Pex Pipe**

Serial Numbers: None Marked.

Date of Manufacture: not Marked



### 3 Test Procedure

#### **3.1 *Burst Test*** – AS 4176 Clause 2.3.1

When tested in accordance with App D, at 20 deg C, so that the burst occurs within 60 – 70 sec of commencement of pressurization, the burst pressure shall be not less than the values shown in Table 4.

Extract from table 4: DN25 = Min Burst pressure 4.0 MPa

## 4 Test Results

Pipe Description	Burst Pressure	Pass / Fail
25 mm Pex/Al/Pex	7.25 MPa	PASS

### 4.1 Sample Pictures

Picture 1: 25mm Pipe



## 5 Conclusion

ANTL has tested the Multec Pty Ltd pipe in accordance with AS 4176 clause 2.3.1. The results of this testing are presented in Section 4 of this report.