

**Test Report No. 7191263930-MEC21/01C-LJY**  
dated 07 OCT 2021



PSB Singapore

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**SUBJECT:**

Testing on uPVC pipe fittings

**TESTED FOR:**

SNOW PTE LTD  
15A Tuas Avenue 18  
#03-01 & #04-01  
Singapore 638905


Attn : Mr Huang Sheng Jie

**TEST METHOD:**

SS 272 : 2012 Specification for Unplasticised PVC pipes and fittings below ground for drainlines and sewers

**SAMPLE DESCRIPTION:**



The following nominal size of uPVC fittings were submitted for testing on 10 September 2021.

Nominal Size	Tests Conducted	Painted markings on uPVC fittings submitted
Elbow - 110mm Elbow - 160mm	1. Dimensional Measurements 2. Hydrostatic Pressure Test 3. Stress Relief	

**TEST LOCATION:**

TÜV SÜD PSB Pte Ltd  
60 Tuas South Street 1  
Singapore 639925



 	<p>LA-2007-0380-A    LA-2007-0386-C LA-2007-0381-F    LA-2010-0464-D LA-2007-0382-B    LA-2018-0702-B LA-2007-0383-G    LA-2018-0703-G LA-2007-0384-G    LA-2020-0747-L LA-2007-0385-E</p> <p>The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. Inspections/Calibrations/Tests marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our inspection body/laboratory.</p>
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Singapore 609937  
**TUV®**



**DATE OF TEST:**

29 September to 02 October 2021

**TEST RESULTS:**

**Table 1: Dimensional Measurements**

Nominal diameter		Elbow - 110mm			SS 272 : 2012 Clause 6.3, Table 3 Requirements
					110mm
Socket diameter		110.6			Min. 110.3 , Max. 110.8
Socket Depth		52			Min. 48
Wall thickness (mm)	Readings	3.5	3.4	3.5	Min. 3.1
	Average	3.5			

Nominal diameter		Elbow - 160mm			SS 272 : 2012 Clause 6.3, Table 3 Requirements
					160mm
Socket diameter		160.7			Min.160.3 , Max.160.9
Socket Depth		78			Min. 58
Wall thickness (mm)	Readings	4.3	4.3	4.2	Min.3.7
	Average	4.3			



**TEST RESULTS: (Cont'd)**

**Table 2: Hydrostatic Pressure Test**

Nominal Diameter	110mm	160mm	SS 272 : 2012 Clause 11.1.6, Annex G Requirements
	Elbow		
Pressure of 70KPa	Comply		Shall have no leak

**Table 3: Stress Relief**

Nominal Diameter	110mm	SS 272 : 2012 Clause 11.2.4, Annex H Requirements
	Elbow	
Result	Comply	Not penetrate to a depth greater than 50% wall thickness

Lim Jia Yi  
Associate Engineer

Tan Yong Xiang  
Team Leader  
Industrial Group  
Mechanical Centre

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Effective 26 January 2021

